

AMERICAN
GUN MAKERS

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AMERICAN GUN MAKERS

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AMERICAN GUN MAKERS

by

ARCADI GLUCKMAN

Colonel U. S. Army—Ret.

and

L. D. SATTERLEE

THE STACKPOLE CO.

HARRISBURG, PA.

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AMERICAN GUN MAKERS



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FOREWORD

Some thirteen years have passed since the first printing of *AMERICAN GUN MAKERS*, and though the original work published by Ulbrich Company was brought up to 1949 by the issue of a Supplement, it is felt that since more of the mist surrounding the activities of our early arms makers has lifted, the time has come to correct and delete, to edit and add, and place in the hands of the gun-loving fraternity a revised volume incorporating old material brought to date within the knowledge available; the contents of the *SUPPLEMENT OF AMERICAN GUN MAKERS*, and new material gathered or contributed in the past four years.

It is perhaps appropriate here to quote from the Foreword of the original work.

"It is regrettable that some of the historically most important arms makers are dismissed with but a few lines; no reflection on their craftsmanship, or the volume of production. It is a hopeful sign that this situation is being slowly but surely corrected as new biographical and historical facts are uncovered, pertinent documents come to light, and collectors, students and historians interested in research and delving in old forgotten papers and tomes, contribute of their knowledge and finds.

While it has been our purpose to include only the known producers of complete American small arms, or of their major parts, it is quite likely that many firearms makers of old, their names garnered from ancient directories and documents, are included, though no arms have been met with bearing their name. Mere repairs and maintenance would have yielded a precarious living in those days, and proud of their craft, practically all the old gunsmiths were firearms makers, though for natural reasons, many left the products of their handiwork unsigned during the Revolution, and even later.

It is to be noted that single dates, or double dates indicating a short period of activity, are indicative only of the *general* period of such activity, having been gleaned from old city directories, tax rolls, advertisements, local histories, etc."

We might add here that no available source has been neglected in the compilation: documents, archives, directories, tax lists, local histories, tombstones, family and friendly reminiscences, oral tradition, magazine articles, newspaper advertisements, letters to the undersigned, maker's marks and the arms themselves;—all have contributed their grist, and it is but natural that along with the meal much chaff is included. There are undiscovered "repeaters," due to varied spellings or changed locations; some are included as gunsmiths who merely inscribed their

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name for pride or security of possession; some may be foreign and some may never have existed and have been brought in by "association." To all these errors of fact or interpretation, we plead guilty and will be happy to make amends or correction when brought to our attention.

Included in this edition are the available initials, names and other data of our early Ordnance personnel, civilian and military, as a matter of historical interest, and to facilitate the identification of inspectors of our early contract arms.

Grateful acknowledgement is made to Messrs. Robert Bingham, Milton DeS. Clow, Miner J. Cooper, Roy E. Green, Calvin Hetrick, James L. Mitchell, L. C. Quick, J. W. Pittock Jr., and the late Richard D. Steuart for generous contribution of much original data and biographical sketches of the original edition, and to Messrs. Walter M. Cline, John G. W. Dillin, Robert Gardner, James E. Hicks, Dr. Paul B. Jenkins, Ned H. Roberts and Stephen Van Rensselaer, for their earlier works and research, and to Rhea Mansfield Knittle and Stuart M. Martin for their studies of early Ohio gunsmiths, all of which greatly facilitated the task of the undersigned.

To all who contributed new material or brought attention to past errors and omissions, heartfelt THANKS. Sincere appreciation for important contributions of data is expressed to Messrs. Wm. C. Almquist, Don H. Berkebile, Frank Donham, W. R. Felton, C. Charter Harrison, Dr. J. T. Herron, W. H. Kelly, Wallace Mundell, Harold L. Peterson, J. P. Shaw, Sam E. Smith, Gerald Teesdale: to Harry Wandrus, Wes White and Robert C. Whiteman for generous contribution of material on early Pennsylvania gunsmiths; to William Abbot Jr., Jerry and Sue Hirtle, Frank E. Martin, Deuel Richardson, Harry C. Rife, Russell Smith, M. J. Urner, William C. Weaver and David J. Weimer for indirect contributions. Space limits acknowledgement to all.

Again special acknowledgement of great indebtedness is made to Donald Baird of the Museum of Comparative Zoology, Harvard University. Mr. Baird's critical and constructive comments and unselfish assistance in material, generous and valuable as to quantity and quality, have been of inestimable value.

The unfortunate meagerness of many of the entries is self-evident. It is hoped that this inadequacy may be rectified in the future through the generosity and cooperation of the readers, whose additional and correctional material, sent in care of the publishers, will be carefully preserved and incorporated in future editions.

ARCADI GLUCKMAN

Colonel U. S. Army—Ret.

L. D. SATTERLEE

A

- A.—Marking on an early flintlock rifle of crude workmanship.
- A. A.—Unidentified. Kentucky rifle circa 1760.
- ABBEY, F. J. & Co.—43 S. Clark St., Chicago, Ill. 1870-74. Makers of muzzle and breech-loading rifles and shotguns.
- ABBEY, G. T.—Chicago, Ill., 1858-1874. Maker of muzzle-loading, double barrel, percussion shotguns.
- ABENDSHEN, Jos.—50 Wayne St., Pittsburgh, Pa., 1850-60. Makers of an iron mounted, six-groove, gain twist, plains rifle marked "J. ABENDSHEN, PITTSBURGH, CAST STEEL."
- ABERCROMBIE—Near Seneca, Oconer Co., S. C. Rifle maker.
- ACCELERATING FIRE ARMS CO.—New York, N. Y., 1857.
- ACCLES, George G.—Inventor of "Accles Feed" for Gatling Gun, Gatling Gun Co.
- ACKLEY, Luther—Sharon, O. Percussion rifles of premium quality, with elaborate sideplates of identical design. Did not mark his work.
- ACOBY, P. J.—Probably a misreading for P. Jacoby, q. v.
- A. C. S.—See Darling, B. & B. M.
- ADAM, Daniel—Unidentified. Flintlock period.
- A. D.—Adam Daniels—Lancaster, Pa. Late flintlock and early percussion Kentucky rifles. Initials "A. D." marked on a brass and silver mounted, boy's percussion Kentucky rifle.
- ADAMS, C.—508 Commercial Street, San Francisco, Calif. Gunsmith. Listed in 1887.
- ADAMS REVOLVING ARMS CO.—New York, N. Y. Percussion revolvers made for this firm in .31 pocket and .36 navy sizes by Mass. Arms Co.
- ADAMS, S.—Battle Creek, Mich. Percussion rifles.
- ADAMS, Samuel—Troy, N. Y. in 1840; Kentucky rifles.
- ADAMS, W.—Unlocated. Fine flintlock Kentucky rifle, Ketland lock, barrel round with flat rib.
- ADDICKS—Unidentified. Maker of a half stock, heavy barrelled, percussion slug gun.
- ADDICKS, D. C.—Rome, Ga.; percussion rifles, died 1941.
- ADIRONDACK FIREARMS CO.—Plattsburg, N. Y. Early breech-loading and repeating sporting arms, somewhat similar to the Winchester but on a different mechanical principle, based on Patent 125,988 issued to O. M. Robinson, April 23, 1872. Plant bought out by Winchester Repeating Arms Co. in 1875 and manufacture discontinued.
- A.D.K.—Initials of A. D. King, U. S. Inspector of Arms within years 1831-1850.
- ADKINS, Josiah—Connecticut gun-lock maker to Committee of Safety. Received payment for four locks June 26, 1777.
- AETNA ARMS CO.—New York, N. Y. Brass frame, tip-up, .22 cal. pocket revolvers.
- A. F.—Unidentified. Over-under percussion rifle.
- A. F.—Unidentified. Heavy barrel, Kentucky type flintlock match rifle. (Same as A. F. above?)

AFFERBACH, Wm.—Philadelphia, Pa. Percussion derringer; Aston lock.

AFFLEBAUGH, Henry—Gun Stocker, Germantown Road below 4th, Phila., Pa., 1819.

AGER, A.—New Rumley, Ohio, 1856-61.

AGNEW, Andrew—Orange, N. J., 1872-75.

AGY—Pennsylvania, about 1780. A 62-inch early Kentucky flintlock rifle, .45 calibre.

A. H.—Initials of Asabel Hubbard, U. S. Inspector of Contract Arms, 1818-1833. Inspected arms in plants of R. & J. D. Johnson, Simeon North, Nathan Starr, Asa Waters, Lemuel Pomeroy and Eli Whitney.

A. H.—Unidentified. Barrel marking of a full curly maple stock, percussion Kentucky rifle with British lock.

AHLES, W.—Unlocated. Marking on over-under, swivel-breech, flintlock rifle.

AICHELE, C. G.—Unlocated. Full stock, octagon barrel percussion rifle.

AILER, Lewis—Gunsmith. Germantown Road above front and 167 N. Front, Phila., Pa., 1819.

A. I. S.—See Darling, B. & B. M.

AJ—(Or AS). Unidentified. Curly maple, halfstocked plains rifle with engraved brass hardware and Jas. Golcher lock.

A. J. M.—Marking on Civil War period U. S. Army signal pistol.

A. L.—Unidentified. Early Pennsylvania rifle maker.

ALABAMA ARMS MANUFACTURING CO.—Montgomery, Alabama. Also known as Gilmer Gun Factory. Rifle contractors to the Confederacy. Signed a contract with the State of Alabama on March 20, 1862, to establish an armory for making Enfield type percussion rifles at \$35.00 each, and were advanced \$250,000 in 8% State Bonds. The president of the firm was William B. Gilmer. The firm obtained the gun making machinery from Bujac & Bennett of New Orleans, whose machinery was shipped to Montgomery to escape capture and was offered to the Confederate States. The offer was declined by Col. James H. Burton, Ord. Dept. C.S.A., superintendent of the Macon Armory, as not being up to desirable standard. (See Bujac & Bennett.) The machinery was then purchased by the firm on June 3, 1862, and they commenced operations in the Winter Iron Works but were burned out and went into a warehouse. The firm was succeeded by the Red-mountain Iron & Coal Company. Limited output, if any. In March 1864 excuses, explanations and reasons were given why they had not made any arms. On March Col. Burton came the second time to inspect the machinery with view to purchase. He found "nothing doing of any consequence; machinery set in place but not at work, most of it never having been tested or finally adjusted. But few fixtures to the machines, and they not well devised or adopted to the intended purposes. Very few of the necessary small tools, gauges etc. have been made and none of them of good construction. Barrel welding rolls badly constructed, and not satisfactorily tested. Stocking machines cheaply devised and constructed, and not tested. Forges of brick and of very temporary construction. Buildings not built for the purpose, and consequently not well adapted to it. Forg-

ing shop a mere open shed, also mere sheds for rough turning stock machinery barrel rolls, furnaces for annealing etc. Very few attempts have been made in the forging of parts of arms. I saw few triggers, butt plate screws, hammers and lock swivels. The trip hammers for forging bayonets and ramrods are double and have never been tried . . . Decided not to purchase."

ALB, J.—Pennsylvania, about 1800; possibly an abbreviation for Albright. Fine craftsman.

ALB, L.—Unlocated. Marking on superposed, percussion Kentucky type rifle.

ALBERTSON, DOUGLAS & CO.—New London, Conn., about 1840-60.

ALBRECHT, Andrew—Warwick Township, Lancaster Co., Pa., 1779-82.

ALBRIGHT, Henry—Gunsmith, Gnadenhutten, Tuscarawas Co., Ohio, 1800. Made pistols.

ALBRIGHT, J.—Near Wooster, Wayne Co. Ohio, 1840's. Half stock percussion rifle with ornate brass patchbox.

ALBRIGHT, Mathias—Heidelberg Township, Lancaster Co., Pa., 1771.

ALBRIGHT, Peter—Heidelberg Township, Lancaster Co., Pa., 1771.

ALBRO, H. & Co.—Cincinnati, Ohio, 1847. Mahogany gunstocks.

ALDEN, E. B.—Claremont, N. H., 1863-68.

ALDENDERFER, Joel—Lancaster Co., Pa., 1815-1855. Flintlock Kentucky rifle engraved "JOEL ALDENDERFER 1836."

ALDENDERFER, Metschl—Lancaster Co., 1763-1817.

ALEXANDER, C. W.—Inventor of a breech-loading rifle, Confederate Patent No. 163, April 18, 1863, a pattern of which has been made at the Confederate States Armory under supervision of Capt. Burton, (Richmond Dispatch Feb. 19, 1862). The arm was to have been manufactured by Thomas E. McNeill of Macon, Ga., who obtained a Confederate contract for 20,000 Alexander pattern carbines, to be made under Burton's supervision. The arm never materialized beyond the experimental stage.

ALLBRIGHT, Henry—(Also Albright and Albrecht) Lancaster Co., Pa., before and after 1744. Employed at Durham Iron Works, made rifles and some very fine pistols.

ALLBRIGHT, Israel—Pennsylvania; probably same as I. or J. Albright of Manheim, Pa. Early flintlock Kentucky rifles; a brass-mounted flintlock fowling piece half-stocked in curly maple, barrel marked "J. ALBRIGHT"; lock by W. Jacot.

ALLBRIGHT, J.—Manheim, Pa., flintlock period.

ALLEGHANY GUN WORKS—Alleghany City, Pa., 1831-77 and later. Makers of flintlock Kentucky rifles and later of sporting and target rifles. See Fleeger, John, who operated the works.

ALLEN, Amasa—Walpole, N. H. Musket maker 1799-1801. Associated with Samuel Grant and Joseph Bernard in a contract under Act of July 5, 1798, for 1,500 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 1,394 were recorded delivered by June 10, 1801.

ALLEN, BROWN & LUTHER—Frederick Allen, Andrew J. Brown and John Luther, makers of musket and rifle barrels in Worcester, Mass., 1852. Among their employees had been Horace Smith and Daniel B. Wesson. Alexander Stocking, maker of the

Stocking single-action, pepperbox pistol, had also been an employee of the firm.

ALLEN, C. B.—Springfield, Mass., 1836-41. One of the manufacturers of the Elgin patent cutlass-pistol. Also made the Cochran "Monitor" 7-shot revolver.

ALLEN, Elias—Shrewsbury, Mass., musket maker. Born 1775, active until 1843.

ALLEN, Ethan—Massachusetts Arms manufacturer, 1832-63. See Allen & Wheelock.

ALLEN, E. & CO.—Worcester, Mass., 1856-65. See Allen & Wheelock.

ALLEN & FALLS—Springfield, Mass., 1837-40.

ALLEN, G. F.—Utica, N. Y., 1852-55.

ALLEN, Henry—New York, N. Y., percussion period.

ALLEN & HILLE—Gunsmiths, 79 Magazine, New Orleans, La., 1853.

ALLEN, John—New York, N. Y., before and after 1878.

ALLEN, Joseph—Gunsmith. New Orleans, La., 1861.

ALLEN, Oliver—U. S. Inspector of Contract Arms, 1817. Inspected arms (sabers) in plant of Nathan Starr.

ALLEN, Oliver—Norwich, Conn., circa 1840. Inventor of one of the first practical whaling-bomb-lances which he patented on September 19, 1846. Though it had some disadvantages it saw considerable use among whalers and was widely distributed. The invention of the Brand whaling-bomb-lance in 1852 somewhat curtailed its manufacture.

ALLEN, Robert—Norwich, Conn., circa 1840. Inventor of a whaling-bomb-lance which he manufactured. Quite possibly related to Oliver Allen.

ALLEN, Silas—Shrewsbury, Mass. Rifle maker. Born 1750. Lived and was active on a farm on Crescent Street. Had served as captain of militia. Made Kentucky and New England type rifles. Arms marked by stamping, "S. ALLEN." Died April 6, 1834.

ALLEN, Silas, Jr.—Son of Silas Allen. Lived and worked with his father at Shrewsbury, Mass. Born 1775. Flintlock and percussion rifles. Active until 1843. Died 1850.

ALLEN, Thomas—New York, N. Y., 1768-75. Thomas Allen with John Woods, were the Colonial gunsmiths returned to England by Governor William Tryon in December, 1775, with the inducement of prepaid passage, 20 guineas in cash and employment at a government armory.

ALLEN, THURBER & CO.—Grafton, Mass., 1838-42. Norwich, Conn., 1842-47. See Allen & Wheelock.

ALLEN & WHELOCK—The firm was established by Ethan Allen. Massachusetts firearms maker born Sept. 2, 1806. Established himself in North Grafton about 1832, making Lambert cane-guns and rifled target pistols. In 1838 commenced manufacture of arms under his own patents, and incorporated with his brothers-in-law, Charles T. Thurber and Thomas P. Wheelock under the name Allen, Thurber & Co. The firm was well known for its pepperbox revolvers, made mostly double-action with 5 and 6 barrels, though a few were made in a larger size with 3 or 4 barrels. Also made a double-barrel pistol.

In 1842 the firm moved to Norwich, Conn., and again in 1847 to Worcester, Mass. In 1857 on Thurber's retirement from the

firm, the name was changed to Allen & Wheelock. Mr. Wheelock died in 1863, and in 1865, Allen's two sons-in-law, S. Forehand and H. C. Wadsworth, were admitted to the firm, which in 1866 became known as Ethan Allen & Co. Mr. Allen died in January, 1871, and the firm continued manufacture of firearms, especially revolvers, under the name Forehand and Wadsworth. During the Civil War, Allen & Wheelock employed about 200 hands.

ALLEN, William—108 Maiden Lane, New York, N. Y., 1801. Flintlock rifles and double-barrel shotguns. Made arms into percussion period.

ALLENBREN, John—Location unknown; flintlock Kentucky rifles.

ALLFATHER, John—Near Berlin, Penna.

ALLIN, Erskine S.—Born at Enfield, Conn., Feb. 3, 1809. Apprenticed at the Water Shop of the Springfield Armory in 1829. Master armorer at the arsenal from 1847-78. Perfected a system of conversion of muzzle-loading muskets known as the Model 1865 alteration. Died, Sept. 11, 1879.

ALLIS, Epaphrictus—Arms stocker, Springfield Armory, 1818.

ALLISON, J. H.—Unlocated. Percussion Kentucky rifle.

ALLISON, PETER & CO.—Main Street, Buffalo, N. Y., 1825.

ALLISON, T.—Pennsylvania, flintlock period.

ALLOWAY, Elmer—Philadelphia, Pa. Listed as gunsmith at 23 Green, in 1829.

ALSOP, C. R.—Revolver manufacturer of Middletown, Conn., 1859-66. Made arms under Charles Alsop patents Nos. 29,213, 29,538 and 32,333.

ALTLAND, J.—York Co., Pa., about 1810. Rifle maker.

ALTMIER, F.—Lewistown, Mifflin Co., Pa. A swivel-breech double percussion rifle with script marking "F. Altmier" on one barrel, "Lewistown" on the other; barrelmaker's stamp "Heberlig, Reading Pa." on breeches; Henry Parker lock.

AMEN, John—Unlocated. Full stock, percussion Kentucky rifle.

AMERICAN ARMS CO.—Chicopee Falls, Mass. Made Smith carbines during the Civil War.

AMERICAN ARMS CO.—Boston, Mass., about 1870-93; Milwaukee, Wis., 1893-1904.

AMERICAN MACHINE WORKS—Established by Philos B. Tyler in 1843 at Springfield, Mass. Manufactured Smith carbines on Civil War contract, in 1864.

AMERICAN NUT & ARMS CO.—47 Kingston St., Boston, Mass., 1868-70. Made Wheeler's patent, hand arms.

AMERICAN REPEATING RIFLE CO.—Boston, Mass. Formerly Fogerty Rifle Co., of Boston. Sold out to Winchester in 1869.

AMERICAN STANDARD TOOL CO.—Newark, N. J., 1870-72. Believed to be successor to Manhattan Fire Arms Co.

AMERICAN STEAM WORKS—180-182 Center St., New York, N. Y. Manufacturers of Pecare & Smith percussion pepperboxes.

AMES, David—First superintendent of the Springfield Armory. Appointed by Washington, 1794. Served until 1802 when he became a paper manufacturer. Born at Bridgewater, Mass., Feb. 2, 1760. Manufacturer of shovels and guns. Died in Springfield, Mass., in August 1847. Ames had seen active service during the Revolu-

tionary War as a member of Capt. Reuben Dow's Company of Minute Men.

AMES, John—Bridgewater, Mass., 1798. Advertised in the *Columbian "Sentinel,"* Boston, June 2, 1798, offering 1,000 gun-locks for sale and offering to buy 500 or 600 gun-barrels.

AMES, Nathaniel—Boston, Mass., 1800.

AMES MANUFACTURING COMPANY—Cutlers, sword and arms manufacturers of Cabotsville and Chicopee, Mass. Established originally by N. P. Ames, Sr., at Chelmsford (now Lowell), Mass., and moved to Chicopee, Mass. in 1829. In 1831 the business was incorporated under the name of Ames Manufacturing Company with initial capital of \$30,000. In the same year, 1831, the company undertook its first of sword contracts for the Government, which were continued for thirty odd years, until the Ordnance Department began making its own swords.

About 1834 the company moved to Cabotsville, Mass., where a sword manufacturing plant had been erected. In 1841 the Ames Mfg. Co., purchased the works of Chicopee Falls Company and in 1842 moved back to Chicopee.

Specimen arms of the company are marked as follows: Foot Artillery (Roman type) sword dated 1833, "SPRINGFIELD"; Navy scale-hilt cutlass dated 1842, "CABOTSVILLE"; Dahlgren bowie-knife Navy bayonet for Whitney Navy rifle M.1861, (Plymouth), dated 1864, "CHICOPEE"; Navy brass half-basket cutlass dated 1864, "CHICOPEE" and Civil War officers' swords "CHICOPEE." It is possible that the Navy carbines and pistols marked "N.P. AMES" "SPRINGFIELD" were also made at the Chicopee plant, a short distance from Chicopee Falls and a few miles north of Springfield.

In addition to government swords the company made machinery, gun-stocking machines, bronze cannon, bronze statuary and swords for military associations and for societies and lodges. During the Franco-Prussian War the company received a contract from the French Government for about 100,000 sabers and from the Turkish Government an order for 236,000 sabres during the Russo-Turkish War. The company also manufactured the Lowell machine gun for the Lowell Machine Gun Company. See AMES N. P. and AMES Sword Co.

AMES, N. P.—Operator of Ames Manufacturing Company, cutlers and sword manufacturers of Cabotsville and Chicopee, Mass., and N. P. AMES, makers of Jenks patent, mule-ear, side-hammer Navy percussion carbines of 1843-47, and of Navy percussion, single shot, box-lock pistols Model 1843, 1843-46, at Springfield, Mass. N. P. Ames (Jr.) was born near Lowell, Mass., in 1803, son of N. P. Ames (Sr.), a manufacturer of edged tools of Chelmsford (now Lowell) Mass. His practical experience gained in his father's shops was later supplemented by study of mechanical arts in Europe in 1840. Died in Spring of 1847. Nathan Peabody Ames was described as a "dignified, affable and generous man." See Ames Manufacturing Company.

AMES, Oakes—Chicopee, Mass. Born Jan. 10, 1804; died May 8, 1873.

AMES SWORD COMPANY—Established in 1881, at Chicopee, Mass., as a division of the Ames Manufacturing Company, a separate corporation, but with both plants under the same management. The sword making machinery was set up in the purchased plant of the Gaylord Mfg. Co., adjoining the Ames Manufacturing Co.

In addition to swords the company made the Protector, a seven shot revolver and Protector Palm Pistols for the Chicago Arms Company. At end of "sword era" Ames Company was merged into Lilley Ames Corporation of Columbus, Ohio. See Ames Manufacturing Co., and Ames, N. P.

AMIDON, L. M.—Bellows Falls, Vt. Made telescopes for match rifles (e.g., those of Norman Brockway), also gain twist rifles.

AMORY—Fond-du-Lac, Wis. Walnut half-stock, brass mounted, octagon barrel percussion plain rifle.

AMOS, John—Bedford Borough, Bedford Co., Pa., 1840's (on 1843 tax list). Brother-in-law of W. Border. A long, slim, early percussion Kentucky rifle with applewood stock and hand-forged bar lock, marked "J. A."

AMOSKEAG MFG. CO.—Manchester, N. H. Made 27,001 Springfield Model 1861 rifle muskets on government contracts during the Civil War:—

Jan. 7, 1862, 10,000 muskets at \$20.00 each. 10,001 delivered.

Nov. 5, 1863, 15,000 muskets at \$19.00 each. Contract completed.

Jan. 6, 1865, 2,000 muskets at \$19.00 each. Contract completed.

AMSDEN, B. W.—Lake Ave. & Hodgman Sts., Saratoga Springs, N. Y., about 1860-1880. Percussion target rifles, double rifles, and rifle-shotgun combinations; shaded front sight of pig bristle; silver eagle cheek-rest inlays.

AMSDEN, J.—Saratoga Springs, N. Y., 1870-73. Maker of a double, side-by-side, combination percussion rifle-shotgun. Engraved locks and dolphin type hammers. Ornate patch box. Iron furniture. (Related to Amsden, B. W.?)

AN, Jos.—Marking "JOS*AN" on barrel of Kentucky rifle. Probably abbreviation for one of the Pennsylvania Angstadt family.

ANDERSON, James—Gunsmith to Committee of Safety, Virginia, 1775-77.

ANDREWS, Edward W.—19 Ontario St., Cleveland, Ohio, 1825-55, then Oberlin to 1859.

ANDREWS, Philip B.—Cleveland, Ohio, 1820-30. Brother of E. W. Andrews. Born at Whitestown, N. Y., 1796.

ANDRUS & OSBORN—Canton, Conn. Under-hammer percussion pistols and Civil War arms.

ANG, Jos.—On barrel of very early flintlock Kentucky rifle with incised Roman nose stock.

ANGEL, John—Philadelphia, Pa. Listed as gunsmith at 97 Dillwyn, in 1829.

ANGEL, N.—(Same as Angle, N.) Erieville, N. Y.; percussion match rifles.

ANGELE, George—42 Genesee St., Buffalo, N. Y., 1858-59.

ANGLE, N.—Near Virgil, N. Y.

ANGLIN, Phil—"Old Uncle Phil," Robertson County, Tenn., maker of flintlock and later percussion Kentucky rifles marked "P. A." Maker of a flintlock rifle with lock by John Kirkman, Ashville, Pa. Also made a tiger maple, full stock, .38 caliber, percussion rifle with set triggers and lock apparently of own manufacture.

ANGSTADT, Adam—Pennsylvania rifle maker. Contractor for "rifle guns" in 1792.

- ANGSTADT, Gideon**—Unidentified. Inlaid and engraved flintlock Kentucky rifle of fine workmanship.
- ANGSTADT, Peter**—Pennsylvania, flintlock period.
- ANGSTATT, Joseph**—Penna. rifle maker probably related to the Angstadts and Ansteds. Used abbreviation "JOS*AN" as per marking on very early flintlock Kentucky rifle.
- ANGSTEAD, Peter (or Angstadt)**—Pennsylvania. Fine flintlock Kentucky rifles.
- ANGUSH, Jas.**—Earl Township, Lancaster Co., Pa., 1771 and before.
- ANNELY, Edward**—New Jersey, 1771, and before.
- ANNELY, John**—New York, N. Y., percussion period.
- ANNELY, Thomas**—U. S. Inspector of Arms in Maryland, 1799-1801. Received payment for expenses incurred in connection with proving muskets.
- ANNELY, Thomas**—New Jersey, 1776, before and after. (Same as above?)
- ANSCHUTZ, E.**—Philadelphia, Pa., 1860.
- ANSTADT, Jacob**—Berks County, Pa., 1815-17.
- ANSTAT**—Believed to be Peter Angstadt above.
- ANSTATT, A.**—Marking on barrels of superposed, swivel-breech flintlock Penna. rifle, circa 1820. (Same as Adam Angstadt?)
- ANSTED, A. & J.**—Contractors on April 22, 1808, with Tench Coxe, Purveyor of Public Supplies, for 50 pairs of pistols at \$10.00 each. Probably are Adam Angstadt and Jacob Anstadt, Pennsylvania arms makers, whose names were spelled with a number of variations.
- ANTES, William**—Mahoning Township, Northumberland Co., Pa., 1781-82.
- ANTIS, R.**—Canandaigua, N. Y., percussion period.
- ANTIS, William**—Frederick Township, Pennsylvania, Revolutionary War. (Same as Antes?)
- APPLEBAY, Alexander**—Born March 4, 1832; died March 4, 1906. Worked at Wellsburg, W. Va., and Steubenville and later Lowell, Ohio.
- APPLEBAY, H. D. & W. R.**—Wellsburg, W. Va., and later Lowell, Ohio.
- ARCHER, John**—Unidentified. Lock marking on a percussion Kentucky rifle.
- ARMSTRONG**—Philadelphia, Pa., maker of Kentucky rifles dating to about 1800. Possibly same as John Armstrong.
- ARMSTRONG, A. H.**—Unlocated. Maker of a half stock, percussion rifle.
- ARMSTRONG, Allen**—Philadelphia, Pa., about 1800. Kentucky flintlock rifles; rifled flintlock Kentucky target pistol, lock marked "A. ARMSTRONG WARRANTED."
- ARMSTRONG, John**—Emmetsburg, Md., later Pennsylvania, from about 1790; died 1827. Fine flintlock Kentucky rifle; raised carving, silver inlays, lock handmade.
- ARMSTRONG, John, Jr.**—Son of John Armstrong. Active at Gettysburg, Pa., 1855, before and after.
- ARMSTRONG, R. H.**—Hudson, Mich. Maker of plain percussion match rifles.

ARMSTRONG, S. F.—Adamsville, Mich.

ARMSTRONG & TAYLOR—Augusta, Ky., 1864. Rifle makers.

AS—(Or AJ). Unidentified. Curly maple halfstocked plains rifle with engraved brass hardware and Jas. Golcher lock.

ASHEVILLE ARMORY—Asheville, N. C. Established in 1861 by Col. R. W. Pulliam, Ephraim Clayton and G. W. Whitson, at the corner of Valley and Eagle Streets, with one Riley, an Englishman, as chief machinist. The plant was turned over to the Confederate Government in 1863, and arms are believed to have been marked "Asheville Armory." The machinery and equipment were moved to Columbia, S. C., prior to April, 1864, and the plant re-established as the Columbia Armory in charge of Capt. C. C. McPhail, C. S. Ord. Dept. See Columbia Armory. A year later, in the latter part of April, 1865, the old armory buildings at Asheville were burned by Federal troops.

ASHFIELD, J.—Buffalo, N. Y., percussion period. (Identical with J. Ashfield of Toronto, Canada, maker of a rifle with Goulcher lock?)

ASHMORE—Unidentified. Maker of Kentucky rifles about 1800-08.

ASHMORE, N.—Lockmaker, flint and percussion arms. Percussion shotgun locks marked "N. ASHMORE."

ASHMORE, R.—Lockmaker, flint and percussion arms. Maker of a Kentucky rifle flint lock marked "R. ASHMORE WARRANTED" and of an original Kentucky rifle percussion lock marked "R.", and "ASHMORE" in two lines.

ASHTON, P. H.—Unlocated. Percussion underhammer pistol.

A.ST.B.—Unidentified marking of a curly maple, half-stock, octagon barrel, double set trigger percussion rifle numbered "No. 199."

A. S. T. CO.—Unidentified "Hero" percussion pocket pistols.

ASTOL, J. & W.—New Orleans, La., 1805-12.

ASTON, H.—The firm of H. Aston was organized at Middletown, Conn., about 1843, by Henry Aston, who arrived in the United States from England in 1819, and as a skilled pistol maker readily found employment with Simeon North, pistol manufacturer, at Middletown, Conn. Subsequent to 1850 the firm was reorganized and from 1851 the famed Model 1842 Army pistols made by the Aston Company were marked "H. Aston & Co." The contract for 30,000 pistols at \$6.50 each was awarded Feb. 25, 1845.

ASTON, H. & CO.—See H. Aston above. Henry Aston's partners were: Nelson Ashton, Peter Aston, John North, Sylvester C. Bailey and Ira N. Johnson.

ASTON, H. & W.—Converted flint lock on halfstock plains rifle by R. Denslans.

ASTON, J. & J.—Unlocated. Marking on the lock of a percussion over-under rifle.

ASTON, J. & W.—Converted flint lock with tumbler detent, late period, on a Kentucky rifle. Marked "J. & W. ASTON WARRANTED."

ASTON, W.—William Aston, Middletown, Conn., maker of underhammer, percussion saw-handle pistols about 1854, in the old S. North pistol and musket manufacturing shops.

ATHERTON, C.—Stamping on an old, flintlock, Kentucky rifle barrel.

ATKINSON—Unidentified. Percussion rifle.

- ATKINSON**—Maker of a full maple stock, flintlock Kentucky rifle, with ornate patch box and with barrel octagonal at the breech.
- ATKINSON, Joel**—Parkesburg, Ky., percussion Kentucky rifles.
- ATKINSON, Wyatt**—Hidalgo, Ky. Born 1880 at Parkesburg, Ky., son of Joel Atkinson with whom he learned the trade.
- ATLANTA ARSENAL**—Confederate Arsenal at northwest corner of Walton and Peachtree Streets. Acquired by Trenholm, Frazer & Co., government fiscal agents Aug. 6, 1863. In an ad in "Southern Confederacy" for Dec. 6, 1862, Major M. H. Wright, C. S. A., Commanding Arsenal, offers to exchange powder for lead at the Military Store House, corner Peachtree and Walton.
- ATLAS GUN CO.**—Ilion, N. Y., 1893. Small caliber rifles.
- ATLEY, Conrad**—Bedford Township, Bedford Co., Pa., 1800.
- ATWATER, J. B.**—Ripon, Wis. Probably during 1850's.
- A. T. W.**—Unidentified. Bedford County, Pa., silver inlaid percussion Kentucky rifle.
- AUER, B. I.**—Louisville, Ky. Reported maker of a heavy, 19 lb. walnut half stock, schuetzen rifle.
- AUER, X.**—Gunsmith, New Orleans, La., 1861.
- AUGUSTA ARSENAL**—Augusta, Ga. Manufactured equipment, field artillery, powder and repaired arms for the Confederacy.
- AUGUSTINE, S.**—Unlocated. Flintlock Kentucky rifle.
- AUGUSTINE, Samuel**—Athens County, Ohio, 1853-54.
- AULTLAND, H. G.**—Penna. rifle maker.
- AUSTIN, Cornelius**—New Jersey, 1776-78. Armorer to New Jersey.
- AUSTIN, Thomas**—Charlestown, Mass. Gunsmith to Committee of Safety. Armorer to Massachusetts, 1775.
- EVERY, G.**—Hamburg, Pa.
- EVERY, Willis**—Salisbury, N. Y., percussion period.
- AVET, F.**—Gunsmith, St. Laude, between St. Phillip and Ursulines, New Orleans, La., 1853.
- A. W.**—Marking inside of lock of Model 1795 flintlock musket.
- AYRES, R. A.**—Alexandria, Va., (?). Percussion Kentucky rifle with Remington barrel.

B

- BABBITT, L. W.**—Ohio, 1837. Flintlocks.
- BABCOCK, J.**—Under hammer percussion pistol with ring hammer.
- BABCOCK, Moses**—Charlestown, Mass. Listed in Directories from 1838 to 1874. Was assistant to Abijah Monroe, gunsmith, then owner of a shop on Charlestown Square 1877-81. Died Aug. 27, 1886.
- BACH, John**—52 Commercial St., San Francisco, Calif., 1855; 72 Commercial 1858-65.
- BACHNER BROTHERS**—72 Hennepin, later 36 S. Washington Ave., Minneapolis, Minn., 1869-80.
- BACKHOUSE, Richard**—Gun-barrel maker of Easton, Pa., 1774-81. Owner and operator of the Durham Iron Works.
- BACON ARMS CO.**—Established at Norwich, Conn., by Thomas K. Bacon in 1852. Makers of Bacon percussion pepperboxes, single-shot pistols, and of Briggs and C. W. Hopkins type revolvers. Formerly had been Bacon & Co., then Bacon Mfg. Co. The firm

ceased operations in 1888. In 1892 the remaining inventory of the Company, amounting to only about \$14,000, was taken over by the Crescent Fire Arms Co., of Norwich.

BACON & CO.—Percussion pistols and pepperboxes. See Bacon Arms Co.

BACON MFG. CO.—Bacon percussion and cartridge revolvers. See Bacon Arms Co. above.

BAER, J.—Lancaster, Pa., 1810-1840. Flintlock Kentucky rifles.

BAGGETT, Elijah—Attleboro, Mass. Contractor under Act of 1798 for 500 Charleville pattern (Model 1795) muskets at \$13.40 per stand.

BAGLEY, Albert G.—Breech-loading, percussion rifle marked on barrel, "ALBERT G. BAGLEY MARCH 1852."

BAHN, B. & BRO.—Cape Girardeau, Mo., makers of percussion sporting rifles.

BAHRMANN, G.—Louisville, Ky. Percussion rifle.

BAILEY, D.—New Orleans, La. Importer and dealer in firearms, English percussion revolvers known with this marking.

BAILEY, George—Phila., Pa. Listed as gunsmith on New Market near Green, in 1829.

BAILEY, G. L.—Portland, Me. Maker of half stock, muzzle loading, percussion sporting rifle with Remington barrel.

BAILEY, Goff—Kincheloe, W. Va. Percussion rifles.

BAILEY, Nathan—Gunsmith of New London, Conn., 1776-79. Worked on repair of public arms for the State. Was paid 50 pounds in July, 1775.

BAILEY, Thomas—Gunsmith, 160½ Chartres, New Orleans, La., 1853.

BAILEY, W. A.—Unlocated. Under-hammer, percussion target pistol.

BAIRD, C.—Vermont. Percussion target pistol with false muzzle and bird's-eye maple shoulder stock.

BAIRD, S. S.—Chittenden, Vt., percussion period.

BAKER, Andrew—Bedford, Pa., area (?).

BAKER, C.—Unlocated. Marking on the lock of a percussion sporting rifle.

BAKER, Clyde—2100 East 59th St., Kansas City, Mo., modern.

BAKER GUN & FORGING CO.—Batavia, N. Y. 1911-14. Cal. .22 auto rifles.

BAKER, J.—Pennsylvania. Kentucky rifle dated "Nov. 28, 1843." Also made 3-barrel swivel breech guns.

BAKER, Jacob S.—Listed as gunsmith at 386 North Front, Phila., Pa., in 1819. Operated a rifle factory at 916 Front St., in 1824. Again listed as gunsmith on No. Front, corner Otter in 1859.

BAKER, James—Musket contractor. Contract of January 24, 1829. Was Administrator for Marine T. Wickham, deceased musket manufacturer 1829-1835.

BAKER, James—Mill Creek, Pa., about 1825.

BAKER, John—Lancaster, Pa., flintlock period.

BAKER, John—Pennsylvania musket maker. Several references to John Baker making Provincial firearms for Pennsylvania in 1776. His farm and shop were on the south side of the Germantown Pike at the North Wales Road, which is at rear end of the State Hospital for the Insane at Norristown, Pa. Rev. Charles Collins in

1895 stated that "John Baker was an ingenious worker in iron, steel, and other metals. His father was a native of Germany; and a very early settler in the vicinity. During the Revolutionary War Mr. Baker rendered very efficient aid to the Whig cause, by his handicraft, in the work of repairing suitable fire-arms. Mr. Baker lived to a great old age; being nearly a centenarian; and died about 1820." A son Arnold died at the old homestead about 1858. The son kept Barley Sheaf tavern.

BAKER, John—Providence Township, Pa., 1768-75 and after.

BAKER, Melchior—Also Melchor. Fayette County, Pa., before and after 1781-1804. After participating in Col. Lochry's ill-fated expedition of 1781, he came to Georges Township, Fayette Co., where he settled and established an arms factory in association with Albert Gallatin, who furnished most of the financial backing. The plant at times employed up to a hundred hands, and supplied the state as well as furnished arms to the national government, making broadswords and long arms. After Gallatin joined Jefferson's Cabinet, he withdrew from the firm, disposing of his interest to Baker, who continued the operation of the plant with the assistance of his sons. The factory was in operation in 1804, as is evidenced by a Pennsylvania State payment of \$1,333.33 for arms furnished. The firm closed when the government armories went into large scale production, and Baker moved to Clarksburg, Va. (now W. Va.)

BAKER, W. H.—Marathon, Courtland Co., N. Y., and Batavia, N. Y., heavy percussion sniper's and target rifles with patent muzzles and telescope sights.

BALD, Fred—91 Pennsylvania St., Baltimore, Md., 1860.

BALDWIN, Elihu—Branford, Conn. Musket maker to Committee of Safety. Made 17 good guns with bayonets. Recorded Nov. 18, 1776.

BALDWIN, Jacob—Pennsylvania musket maker to Committee of Safety. Jacob Baldwin was one of the petitioners, representing Pennsylvania gun makers, complaining to Committee of Safety in November, 1776, against the high cost of materials and labor entering into arms making, and quoting advances in prices within one year, since 1775.

BALL, Elisha—North Carolina before and after 1821; flintlock Kentucky rifles.

BALL & WILLIAMS—Worcester, Mass., 1861-66. Makers of Ballard's patent carbines and military and sporting rifles, under Charles H. Ballard patent of Nov. 5, 1861, No. 33,631. During the Civil War the government purchased 1,509 Ballard carbines.

BALLARD ARMS CO.—Worcester, Mass. Civil War arms.

BALLARD, C. H. & CO.—See Ballard & Fairbanks.

BALLARD & FAIRBANKS—Worcester, Mass., 1870. Made Ballard cartridge derringers.

BALLWEG, A.—129 W. Washington St., Indianapolis, Ind., 1868-72.

BALSER, A. L. & CO.—Cincinnati, Ohio, 1857-59.

BALSLEY, T.—Connellsville, Fayette Co., Pa. Half and full stock percussion Kentucky rifles of good workmanship. Name on barrel.

BALTIMORE ARMS CO.—Modern. Shotguns.

BAMES, S. or T.—Marking on sideplate of circa 1840 Kentucky rifle.

- BUNDLE GUN CO.**—J. Bandle, Cincinnati, Ohio. .22 Cal. percussion "saloon" rifles.
- BARBOUR, A. M.**—Superintendent Harpers Ferry Armory, 1860.
- BARENT, Covert**—Or Govert. New Amsterdam, N. Y., 1648.
- BARKER, Cyrus**—Providence, R. I., percussion period.
- BARLOW, J.**—Moscow, Ind., 1840-1859, probably before and after. A few flint rifles. A heavy, curly maple, halfstocked percussion rifle with H. E. Leman back-action lock. Barrel marked in script "J. BARLOW March the 12, 1859."
- BARNARD, Joseph**—Musket maker 1799-1801. See Amasa Allen.
- BARNES, Thomas N.**—North Brookfield, Mass. Born 1763, active to about 1800. Died at Bakersfield, Vt.
- BARNES, Thomas Washington**—Born 1840 at Oakville, Ontario, Canada; died Aug. 28, 1909 at Vassar, Mich. Learned gunsmithing about 1856 from father Jacob Barnes and an old English smith. Set up shop at Vassar, fall of 1865. Various partners: Ab. Harrington, Saul Green (as Barnes & Green); son George W. Barnes after about 1905. Made percussion over-under rifle-shotguns with side hammers, marked "T. W. BARNES" on lockplate (some unmarked). Inlays of German silver or other white metal; patch-boxes open downward. Also made some breechloaders.
- BARNES, W. H.**—Boston, Mass. Back-action lock, percussion rifle.
- BARNHART, Geo. A.**—New Rumley, Harrison Co., Ohio, 1841-1881. Descended from Hessian prisoners of war who settled in Bucks County, Pa., after Revolutionary War.
- BARNHART, George**—Greene Township, Ross Co., Ohio. Born in Pennsylvania, 1798, died in Ohio, Feb. 17, 1844. Brother of William Barnhart (elder).
- BARNHART, Nehemiah**—Hallsville, Ross Co., Ohio. Born 1831, died 1888. Son of William Barnhart (elder).
- BARNHART, William**—(The elder). Brother of George Barnhart. Greene Township, Ross Co., Ohio. Born Aug. 12, 1802, died Oct. 6, 1867.
- BARNHART, William**—(The younger). Son of George Barnhart. Greene Township, Ross Co., Ohio. Born September, 1825, died February, 1891.
- BARNHART, Simon**—Pennsylvania; flintlock Kentucky rifles.
- BARNHIZLE, Christopher**—Musket maker 1799-1801. In association with Nicholas White, Thomas Craff and Jacob Metzger, contracted under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand, of which 235 were delivered by June 10, 1801.
- BARR, Frederick**—Gunsmith, New York, N. Y. 1801-02.
- BARR, R.**—New York, N. Y. Reported marking on a Birmingham proofed percussion shotgun. Importer?
- BARRET—"Deacon"** Samuel Barret, musket maker of Concord, Mass., after 1775.
- BARRETT, J. B.**—Wytheville, Va. Civil War musket contractor to the Confederacy. So called "Hall muzzle-loading rifle" may have been made here as well as rifles patterned after Model 1855, but without patch box or primer.
- BARRETT, Thomas**—"Deacon" Thomas Barrett and son Samuel, ("Deacon" Samuel Barret?) Revolutionary War operators of a

- gun factory at Concord, Mass., at the time of the battle of Concord.
- BARRINGTON, A. C.**—Lebanon, N. Y. Percussion under-hammer rifle.
- BARROWS, E.**—Unlocated. Curly maple full-stock, octagonal barrel, .36 cal. flintlock Kentucky squirrel rifle.
- BARSTOW, I. & C. C.**—Musket makers of Exeter, N. H. Contracted on Oct. 21, 1808, for 2,500 Model 1808 muskets. Barstow musket lock plates are marked "J. & C. B. Exeter." In the early 19th Century letters J and I were interchanged rather freely in writing. Probabilities are that the contract should have read J. Barstow.
- BARTLETT**—Lancaster, Pa. Early Kentucky flintlock rifles of excellent workmanship.
- BARTLETT, A.**—Ruxton Lane, Baltimore, Md., active in 1817.
- BARTLETT, A. & P.**—Massachusetts musket makers. Contracted Oct. 31, 1808, for 2,500 Model 1808 muskets. Of these 1,500 were delivered by Oct. 7, 1812.
- BARTLETT, Isak**—Forged lock plates at Springfield Armory 1808.
- BARTLETT, Joseph, and Robert S.**—Binghamton, N. Y., 1829-50. Sons of Capt. Isaac Bartlett, Connecticut blacksmith and wheel-right, who in 1813 established in Owego, N. Y., and thence in 1829, settled at Chenango Point (now Binghamton). Joseph and Robert Bartlett opened a shop on Court Street where between 1829 and 1834 they made flintlock Kentucky rifles at first, then percussion arms. In 1834 the site of their shop being taken over by the State for a canal project, they put up a larger new building on Franklin (now Washington) Street, employing at times as many as 25 hands. From 1834, on change of name of the city to Binghamton, the Bartlett arms were marked with the new name, instead of Chenango Point. The plant discontinued about 1850, unable to compete with cheaper, machine made arms made on production basis.
- BARTON, Samuel**—Thorntown, Ind., 1885.
- BASLER, A. L. & CO.**—Cincinnati, Ohio, 1857-59.
- BASSET, F. E.**—Breech-loading, rim-fire target pistol.
- BATCHELOR, William R.**—Gunmaker. Miller's Court (N.L.), Phila., Pa., 1819.
- BATES, Cord**—Thornton, N. Y., percussion period.
- BATES, R.**—North Carolina; making flintlock Kentucky rifles in 1820.
- BATLEFELD, R.**—Unlocated. Flintlock Kentucky rifles.
- BATON ROUGE ARSENAL.**—Confederate Arsenal at Baton Rouge, La. Serviceable property removed by the State of Louisiana in May 1861, including 4,000 muskets, sabers, pistols, battery wagons, forges, etc. The gun machinery for making arms was removed to Columbus, Ga., in 1862.
- BATTLES, C. G.**—Wellington, Lorain Co., Ohio.
- BATTLIS, John**—Whittier, N. C. Percussion rifles.
- BAUER, George**—Lancaster, Pa., prior to 1783.
- BAUER, J.**—Unlocated. Flintlock period.
- BAUER & KLEPZIG**—212 Washington St., San Francisco, Calif., 1855. See also KLEPZIG & CO.
- BAUM, C.**—Unlocated. "C. BAUM MAKER, POTTSVILLE," marking on barrel of superposed, swivel-breech percussion rifle, circa 1845.

- BAUM, Samuel**—New Berlin, Pa., 1789-1840. Flintlock and percussion Kentucky rifles.
- BAXTER, A. T.**—Baltimore, Md., about 1830-41.
- B. & CO.**—Unidentified. Brass barrel and frame pistol.
- BAY STATE ARMS CO.**—Oxbridge, Mass., about 1870-75. Single-shot target rifles and pistols.
- B. B.**—Unidentified. Marking on a Kentucky type pistol with silver inlays.
- BEACH, C. H.**—Unlocated. Three barrel pepper-box type revolving rifle, each barrel with own sights. Same as Claudius H. Beach?
- BEACH, Claudius H.**—Marshall, Michigan. Born at Bloomfield, Ontario Co., N. Y., and later apprenticed to a gunsmith. Moved West to Marshall, Mich. Married Mary McKay October 10, 1830. Three children. Hunting and target rifles usually using Remington barrels and Geo. Golcher locks. Died Aug. 26, 1888.
- B. E.**—Script Initials of Barney Engle, Greensboro, Greene Co., Pa., before and after 1870. Maker of a late percussion rifle, and a plains rifle, so marked.
- BEACH, J. J.**—Celina, Ohio, 1835-1860.
- BEACH, T.**—Perry Co., Pa., 1815, before and after.
- BEADLE**—Indian Trail, Maumee Valley, Ohio, 1840-90.
- BEALE**—Unidentified. 1858.
- BEAN, Baxter**—Jonesboro, Tenn., 1812. Also Cherokee Creek and Nashville. Rifle made in 1834. Son of Russell Bean who was born in 1769 on Watauga River, Tenn., of William Bean.
- Russell Bean was the father of Baxter, Charles, Joseph (of Rock Creek, Tenn.) and Robert (Washington Co., about 1835). He had brothers Edmund, Jesse (company commander at Battle of Kings Mountain), John, Robert (served in War of Revolution) and William, Jr., all sons of Wm. Bean of Watauga River, Tenn.
- BEAN, Charles**—Son of Russell Bean, Jonesboro, Tenn. Rifle made in 1831. Father of Charles Bean, Jr.
- BEAN, Charles, Jr.**—Percussion rifles. Son of Charles Bean. Died near Erwin, Tenn., about 1920.
- BEAN, James**—East Tennessee, flintlock period.
- BEAN, Russell**—Jonesboro, Tenn. Born 1869. Rifle maker. His identification marks were stars at muzzle and on rear sight.
- BEARDSLEY MFG. CO.**—Brooklyn, N. Y., about 1868. Rifled muskets.
- BEAUVAIS, R.**—St. Louis, Mo., gunsmith. Born in 1817. Listed in the city directory from 1858 to 1875. Reported to have made a few revolvers of Colt type for the Confederacy. When Missouri "went Union," the Beauvais family are alleged to have supplied the Confederate members of "Order of American Knights" or "Knights of the Golden Circle," with arms.
- BEBOUT, William**—Monroe Township, Belmont Co., Ohio, 1858-1876.
- BECHTLER, Christopher**—Rutherford, N. C., 1829-47 and later.
- BECK, A. S.**—Unidentified. Kentucky flintlock rifle.
- BECK, C.**—Lancaster Co., Penna. 1780-1820. Flintlock Kentucky rifles.
- BECK, Christian**—Indianapolis, Ind., 1871-74.
- BECK, D.**—Unidentified, Flintlock and percussion Kentucky rifles.
- BECK, Gideon**—Pennsylvania, about 1780-90.

- BECK, H.**—Gunsmith, 27 St. Phillip, New Orleans, La., 1853.
- BECK, Isaac**—Mifflinburg, Union Co., Pa., about 1835. Fine flintlock arms.
- BECK, John**—Lancaster County, Pa. Active 1772-77, before and later.
- BECK, J. P.**—Union County, Pa., flintlock period.
- BECK, John Philip**—Dauphin County, Pa., before and after 1788-89.
- BECK, J. W.**—Unidentified. Flintlock Kentucky rifle.
- BECK, S. & SONS**—Indianapolis, Ind. Makers and distributors of rifles and shotguns. Many of their products were made from standard rough parts furnished to sub-contractor gunsmiths in the vicinity, for boring, stocking and finishing.
- BECK, Samuel**—Indianapolis, Ind., 1870-71.
- BECK, Wm. & Son**—Portland, Ore. Dealers and gunsmiths, percussion period.
- BECKER, I. or J.**—Lebanon, Pa., before 1800. Kentucky rifle.
- BECKLEY, Elias**—Connecticut, flintlock period. Died in 1816. His son, Elias, Jr., carried on the business at Beckley Quarter, near Berlin, until his death in 1828.
- BEDDIE, George**—Sugar Creek Township, Tuscarawas Co., Ohio, 1815-1871. "Rifles and other firearms."
- BEEBE**—Albany, N. Y., 1846-49.
- BEEBE, Richard**—Springfield, Ohio, 1861-64.
- BEEMAN**—Massachusetts. Gunsmith to Committee of Safety, 1775-76.
- BEEMAN, John**—Lancaster, Fairfield Co., Ohio, 1820.
- BEEMAN, Martin**—Lancaster, Fairfield Co., Ohio, 1831.
- BEERSTECHERS, E.**—Lewisburg, Pa. Same as Beerstecher, F.?
- BEERSTECHEER, F.**—Philadelphia, Pa. Percussion Kentucky rifles. Also patentee of a two-shot, single barrel rifle, Sept. 25, 1855, Patent No. 13,592.
- BEERSTECHEER, G. F.**—Lewisburg, Pa. Percussion side-by-side double rifle.
- BEISEL, John and Simon**—Philadelphia, Pa. Listed as gunsmiths on Lilley Alley in 1829.
- BEKEART**—San Francisco, Cal., percussion rifles.
- BELKNAP, Amaso**—Cherry Valley, N. Y., rifle maker. Born in Ellington, Conn., Nov. 29, 1786. Moved to Cherry Valley, year unknown. The last house he lived in still stands but the brick gunshop was torn down about 1900. Fine muzzle loading, full-stock, pill-lock and percussion hunting and target rifles on the German styles, with cheek-piece and inlays. Died Sept. 21, 1878 and is buried in Cherry Valley cemetery.
- BELL, Conder**—Unlocated. Kentucky rifles.
- BELL, Elias**—Pennsylvania; making flintlock Kentucky rifles in 1818.
- BELL, H. P.**—Cambridge, Ohio.
- BELL, John**—Boston, Mass., 1745-54.
- BELLES, P.**—Unlocated; possibly same as Bellis of Lancaster, Pa. Flintlock and percussion Kentucky rifles.
- BELLIS**—Lancaster, Pa. Early flintlock period.
- BELLOWS, Josiah**—Walpole, N. H. Musket maker, 1799, 1801. Associated with Gurdon Huntington, John Livingston and David Stone

in a contract under Act of July 5, 1798, for 500 Charleville pattern (Model 1795), muskets at \$13.40 per stand. Of these 235 were delivered by June 10, 1801.

BELTON, Joseph—Philadelphia, Pa., 1777. By direction of Congress of May 3, 1777, authorized to superintend the making or altering of one hundred muskets on a plan exhibited by him. These guns were to fire eight rounds "with once loading."

BEMIS, Edmund—Boston, Mass. Born 1720. Active 1746-85. Died 1810.

BENDER, J.—Pennsylvania, period of 1790. Fine Kentucky flintlock rifle. Late Kentucky rifles so marked are possibly by another maker.

BENFER, Amos and Arnig—Beavertown, Snyder Co., Pa. Flintlock period.

BENFER, Amos—Troxelville, Pa. Over-under, full stock, percussion Kentucky type rifle marked on barrel, "AMOS BENFER TROXELVILLE, PA. MARCH 1883." Related to Benfer, Amos above?

BENNETT—With Packson settled on Kent Island, Md., in 1631. Maryland's first gun makers. Established three years before founding of the Province by Calvert.

BENNETT, T.—Unlocated. Single-shot, percussion underhammer pistol of "hand forged" workmanship.

BENNETT, William N.—Elgin, Iowa, 1854-84. Born February 14, 1834, at Middlebury, Addison Co., Vt. Came to California in his youth via Cape Horn, thence in the 1850's, after a three months overland journey, to Iowa, where he located 3 miles from Elgin and worked for thirty-five years. Made muzzle loading, percussion, hunting and target rifles with gain twist rifling of noted accuracy. Bennett rifle, .45 caliber, 31 inch barrel known dated March 1, 1884. William Bennett died in 1914 in Stowe, Vermont.

BENSON, EZRA D.—Terra Alta (formerly Cranberry Summit), W. Va., and later Morgantown, W. Va., about 1870 and later. Ornate German silver inlaid, halfstock percussion rifles.

BENSON, M. M.—Morgantown, W. Va., about 1870 and later. Brother of E. D. Benson above. Made same type of ornate, German silver mounted, half and fullstock percussion rifles.

BENSON, Wm.—Rices Landing, Greene Co., Pa.

BERG, Henry—Davenport, Iowa, 1860-70. Born in Schleswig-Holstein, Germany, about 1827; came to U. S. in 1850's after having served apprenticeship as gunsmith. Worked first in St. Louis, Mo., for two or three years, then came to Davenport where he first established his shop in a one-story building on the northeast corner of Third and Main. Later moved to northeast corner of Third and Harrison, where he built a three-story, brick building which still stands. Operated under own name for many years until joined by his sons, Frank and Emil (famous off-hand, schuetzen rifle shot), when the firm became H. Berg & Sons. Henry Berg made rifles, shotguns and pistols. Was active in the Davenport Schuetzen Verein and his rifles were mostly of the schuetzen type. Berg ceased making arms about the time of the Civil War, to engage in the sale of commercial arms and supplies. In later years the firm was at 221 Harrison St. The business was sold in 1926, to be operated as a sporting goods store.

BERGER, Casper—Detroit gunsmith. Active in Detroit up to 1866. Several percussion rifles marked with his name are in existence.

BERGER, W.—Aurora, Ind. Percussion rifle,

- BERLIN, Abraham**—Easton, Pa., before and after 1786.
- BERLIN, Isaac**—Easton, Pa., before and after 1786. Born 1755, died 1831.
- BERLIN, Louis**—10 Court St., Buffalo, N. Y., 1854.
- BERNARD, Joseph**—Walpole, N. H. Musket maker, 1799-1801. Associated with Amasa Allen and Samuel Grant in a contract for 1,500 Charleville pattern, (Model 1795) muskets at \$13.40 per stand, of which 1,396 were delivered by June 10, 1801.
- BERRY, A. P.**—Unlocated, flintlock period.
- BERRY, B.**—Painted Post, N. Y., about 1820. Late flintlock Kentucky rifles; an over-under double rifle.
- BERRY, R. B.**—Unlocated, flintlock period.
- BERRY, S.**—Pennsylvania, Flintlock Kentucky rifle.
- BERRY, W.**—Poughkeepsie, N. Y., before and after 1840. Later at Albany, N. Y. Percussion revolvers under Cochran's patent.
- BERSTRO, I. W.**—Buffalo, N. Y. A German silver mounted, walnut halfstock percussion rifle with A. W. Spies lock. Probably related to J. H. Berstro.
- BERSTRO, J. H.**—Buffalo, N. Y., 1835. Silver inlaid, brass mounted flintlock Kentucky rifle.
- BERY, P.**—Unlocated. Flintlock Kentucky rifles with carving in relief.
- BEST**—Lancaster, Pa., flintlock period.
- BEST, M.**—Pennsylvania, late flintlock period.
- BETTLEY**—Buffalo, N. Y., 1860. Sporting rifles and shotguns.
- BEUTTER BROS.**—New Haven, Conn. Later Meriden, Conn., before and after 1850. Match rifles.
- BEVANS, A. L.**—Flushing, N. Y. Halfstock, octagon barrel percussion rifle.
- BEVIER, James**—Plymouth, Ohio, 1867-96.
- BEYER, N.**—(Or Beyers). Lebanon, Pa., about 1780-1808. Fine heavy flintlock Kentucky rifles, scroll carved, without patchbox or with long-necked bird forming tip of patchbox.
- BEYERS, N.**—Pennsylvania, about 1808. (See Beyer, N. same?)
- B. F. A.**—Inside marking of a commercial, side action, percussion lock, without tumbler stirrup, ornamented with flying geese and floral stamping. Also lock marking of a percussion rifle by R. Haskell, Painesville, Ohio.
- B. F. S.**—Unidentified. Flintlock Kentucky rifle. Lock by Wilkes of London, 1810.
- BISCAISE, Benjamin**—Charleston, S. C., 1867.
- BICKEL, Louis**—Akron, Ohio, 1878-83.
- B. I.**—Unidentified. Kentucky rifle.
- BICKNELL, Thomas**—Musket maker, active 1799-1801. Contracted under Act of July 5, 1798, for 2,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand, 1,300 of which were delivered by June 10, 1801. The name is spelled BRICKNESS in the list of contractors, and Bicknell in the list of payments made.
- BICKNESS, Thomas**—See Bicknell, above.
- BIDDLE, Levi**—Shanesville, Tuscarawas Co., Ohio, 1830. Half-stock, silver inlaid, percussion match rifle.

- BIDDLE, T. & W. C.**—Philadelphia, Pa., percussion period.
- BIDDLE, R. & W. C.**—Philadelphia, Pa., about 1840. Flintlock Kentucky rifles. Marking known on barrels and on locks.
- BIDDLE, W. C. & CO.**—Marking on a lock of a percussion Plains rifle.
- BIDWELL, Oliver**—Hartford, later Middletown, Conn. Born Dec. 13, 1732, son of David and Mehetabell Bidwell. Active 1756-1810. Contracted Oct. 25, 1808, for 4,000 Model 1808 muskets. Of these 750 were delivered by Oct. 7, 1812. Had been a gunsmith.
- BIEG, S.**—Pennsylvania, 18th century. Splendid rotating double flintlock rifle.
- BIELRY & CO.**—Unlocated. Late flintlock period pistol maker.
- BIGELOW, B.**—Marysville, Cal. Revolving cylinder pill-lock rifles.
- BIGOT, Leon**—150 Sacramento St., San Francisco, Calif., 1859-61.
- BILHARZ, HULL & CO.**—Pittsylvania Court House, Va. Confederate shoulder arms. Advertised for 25-30 gunsmiths, May 16, 1862.
- BILLINGHURST, William**—9 Stillson St., Rochester, N. Y. Born in Monroe, Co., N. Y., in 1807, died in Rochester March 4, 1880. Internationally famous maker and match shooter. Established in Rochester about 1838; 43 Main St. in 1841. Advertised in 1853: "... rifles, target rifles, repeating rifles, or seven-shooters, double barreled rifles, one-above-the-other, rifle and shot, double barreled guns, telescopic sights for rifles made to order. Repairing of all kinds . . ."
- BILLINGS & SPENCER**—Hartford, Conn., 1869-76. Firm organized by Charles E. Billings, ex-employee of Colt's and Remington's. Made Roper sporting arms.
- BILLUPS & HASSELL**—Mound Prairie (or Plenitude), Anderson Co., Tex. Consisting of John Billups and D. D. Hassell. Made 650 Texas rifles for the Confederacy between December, 1862, and March, 1864.
- BINGHAM, Henry**—Pennsylvania, Committee of Safety Flintlock.
- BIRCH**—Maker of flint and percussion rifle locks. "BIRCH" stamped on a flint lock (with gooseneck hammer and frizzen-spring roller bearing), of a John Derr Kentucky pistol. Also marking on lock of a percussion Kentucky rifle.
- BIRCHER, C.**—St. Louis, Mo. Schuetzen type, walnut stocked percussion rifle, iron furniture, target sights.
- BIRD, A. N.**—Kenton, Hardin Co., Ohio, 1853-65.
- BIRD, C. & CO.**—Philadelphia, Pa., about 1812-1820; lockmakers. Engraved flintlocks on Kentucky rifles and pistols.
- BIRD, John W.**—Oscalooza, Iowa. Active about 1860-1900. Born in 1832; died October 13, 1917, in Des Moines; interred in Oscaloosa.
- BIRD, Mark**—Birdsboro, Pa., before and after 1775-88. Son of William Bird and established the town. Cast cannon during Revolution and agreed on May 28, 1776, to make 100 muskets for Pennsylvania.
- BIRD, W.**—Overton, Pa. Maker of an over-under, percussion rifle in 1858 or 1859. Also marking on the lock of a percussion Kentucky rifle.
- BISBEE, D. H.**—Norway, Maine, 1835-60. Silver mounted Kentucky rifle of fine workmanship.

- BISBEE, J.**—Kalamazoo, Mich., 3-barrel, swivel-breech, percussion rifle.
- BISBING**—Pennsylvania, percussion period.
- BISBING, A. S.**—Well made, fancy, percussion, swivel breech, over-under rifle of Kentucky style and lines, marked on barrel "A. S. BISBING (MAKER)." The lock plate engraved "L. M."; bridle plate marked "L. HETTINGER," possibly the owner.
- BISHOP, D. D.**—Unidentified. Maker of over-under, combination percussion rifle.
- BISHOP, Henry H.**—Boston, Mass., about 1847.
- BISHOP, J.**—Eastern Pennsylvania, gun-lock maker after 1775.
- BISHOP, W.**—Springfield, Illinois. Percussion rifle.
- BISHOP, William**—Boston, Mass., 1818-60.
- BITTERLICH, Frank J.**—No. 16, Deaderick St., Nashville, Tenn., 1861. "Gun Manufacturer." Percussion derringers. Reputed to have made and repaired rifles at the beginning of the Civil War.
- BITTINGER, Peter**—Orange Township, Ashland Co., Ohio, 1825.
- BITTLE, W. C.**—Unlocated. Percussion Kentucky rifle.
- BIXLER & IDDINGS**—Lafayette, Ind., in 1874. Percussion lock on J. N. Brown, Dayton, O., rifle.
- BLACK**—Springfield, Ohio. Percussion rifle.
- BLACKMAN, Anson**—Osceola and Elkland, Pa., before and after 1850.
- BLACKMAN, Elijah**—In January, 1776, requested money to manufacture arms for the Colony of Connecticut. Made musket locks for Titus Hosmer of the Arms Committee of the Committee of Safety at Middletown.
- BLACK & OWEN**—Detroit, Mich. Cal. .32 chased frame pocket revolver.
- BLACKWOOD, Marmaduke**—Philadelphia, Pa. Musket lock-maker to Committee of Safety, 1775-76. Contracted for 200 musket locks Dec. 5, 1775.
- BLAINE, William**—Ligonier Township, Westmoreland Co., Pa., 1838.
- BLAIR, Andy**—Gunsmith. Belmont Co., Ohio, 1802. Sent to Stockade and Fort in Richland Co., by the U. S. Government, 1812-17.
- BLAIR AND MORRILL**—Amherst, Mass., Cutlass pistol. See Morrill, Mosman & Blair.
- BLAISDEL, Jonathan**—Amesbury, Mass., 1775. Gunsmith to Committee of Safety.
- BLAKE**—Of the firm French, Blake and Kinsley, musket makers, contractors of Oct. 20, 1808, for 4,000 stand of arms. There were 2,175 known to have been delivered by Oct. 7, 1812.
- BLAKE, John Henry**—Maker of a bolt action, 7-shot, revolving magazine sporting rifle. Similar military type tested by an Ordnance Board of Governor's Island, N. Y., in July 1891.
- BLAKE, P. & E. W.**—New Haven, Conn., musket makers of Model 1821 muskets. Believed to have been the nephews of Eli Whitney, Sr., and to have been the trustees of the Whitney Armory from 1823 until Eli Whitney (Jr.) coming of age in 1842.
- BLANCHARD, Thomas**—Inventor of machinery for the mechanical completion of gun stocks and irregular turnings used at Springfield Armory in the early 19th Century. Born at Sutton, Mass., June 24, 1788, died in Boston, April 16, 1864.

BLANKENSHIP, W. S.—Hot Springs, N. C., 19th-20th century. Fine handmade percussion rifles; a noted match shooter.

BLASIRUS, Peter—Unlocated. Marking on Kentucky flintlock rifle.

BLEWITT & JOHNSON—507 Commercial St., San Francisco, Calif., 1864-65.

BLICKENSDOERFER & SCHILLING—St. Louis, Mo., makers of rifles, particularly of schuetzen type, with false muzzles and set triggers, with fine workmanship as to rifling, stocking, and hand made actions.

John Blickensdoerfer is listed at 12 South Third Street in the 1868 St. Louis Directory. The 1873 Directory lists Blickensdoerfer & Schilling at the above address. The firm is listed as J. Schilling only in 1875.

BLISS, Frank D.—16 Whitney Ave., New Haven, Conn., about 1856-63. Cartridge revolvers.

BLISS & GOODYEAR—16 Whitney Ave., New Haven, Conn., 1859. Made F. D. Bliss percussion revolvers.

BLOODGOOD—North Carolina, flintlock period.

BLOODWORTH, Timothy—North Carolina musket maker, 1776-78. Authorized by the State of North Carolina on June 14, 1776, to be paid 5 pounds for each musket with bayonet to be delivered within the next four months, Bloodworth and his workmen to be exempt from military service during that period.

BLOOM, Jacob—Pennsylvania, after about 1780. Flintlock and percussion rifles; one with turkey head patchbox, brass lockplate, signed on barrel and lock.

BLUE GRASS—Marking on an ordinary percussion bar lock of a home made half stock rifle, crudely marked "JOAB HELTON MAKE."

BLUNT, Orizon—118 Ninth St., New York, N. Y. Offered Sept. 10, 1861 to contract for 20,000 Enfield rifles "to be manufactured in this country." March 31, 1862 reported 200 ready for delivery and on May 13, 1862, had 500 muskets ready.

BLUNT & SYMS—44 Chatham St., New York City, 1837-65. Percussion pistols, pepperboxes rifles. (Orison Blunt).

BLYMYER—See Clark & Blymyer.

BLYMYRE, George—12 miles north of York, Pa., in 1776. Flintlock Kentucky rifles.

B. M.—Initials of Benjamin Moore, U. S. Inspector of Arms, 1810-15.

BOALER, Joseph—Newark, N. J. Percussion duelling type pistols.

BOARDLEAR, Samuel—Boston, Mass., 1796.

BOBB, Anthony—Reading, Berks Co., Pa., 1778-81.

BODENHEIMER, William—Came to Lancaster, Ohio, as wheelright in 1817. One flintlock Kentucky rifle known, period 1810, as well as percussion rifles made before and after 1837. Listed as gunsmith and gun manufacturer in 1859.

BOENZLI, Andreas—Lancaster, Pa. Swiss by birth; made beautiful Kentucky flintlock rifles showing Swiss influence.

BOGART BROS.—112 Washington St., 1858-61.

BOLEN, J. G. B.—New York, N. Y., 1857. Percussion pepperbox. Probably made by Allen.

BOLKENIUS, Albert—Milwaukee, Wis. Born October 28, 1820, in Rhine, Prussia, where he learned the gunsmith trade. Came to

- U. S. in 1847, and to Milwaukee in 1848, where he was active as rifle, gun and pistol maker for over 30 years. Located on Oneida Street from 1848 until after the Civil War, then at 501 East Water until his death in 1890. Noted for fine percussion target rifles, schuetzen type.
- BOLSER, Joseph**—Philadelphia, Pa., in 1799; flintlock Kentucky rifles.
- BOLTON**—Barrel marking of a flintlock Kentucky rifle of about 1770-1790.
- BOLTON, Enoch**—Charleston, S. C., 1665.
- BOLTON, Robert**—Georgia, 1770-73. Armorer to the Colony.
- BOMFORD, Geo.**—Colonel Ordnance Dept. U. S. Army. Connected with procurement and technical improvement 1818-1841.
- BONEBRAKE, Tobias Miller**—Kingman, Ill., before 1885. Percussion rifles.
- BOND, Richard**—Cecil County, Md. Contractor to Maryland Council of Safety for 1,000 gun barrels, on April 17, 1777.
- BONNET, A.**—Clarion, Pa., 1875. Maker of full stock plains rifle marked "A. BONNET CLARION PA. 1875" and numbered. Barrel by James Bown, Pittsburgh (1862-1871), lock by J. H. Johnston, Pittsburgh, (1866-1916).
- BONTEMPS**—Camden, N. J. Percussion rifles.
- BOONE, E.**—Oley Valley, Pa., before and after 1818. Cousin to Daniel Boone. Long, plain but graceful flintlock Kentucky rifles, scroll carved but without patchbox; one dated 1817.
- BOONE, Samuel**—Berks County, Pa., after 1768. Nephew to Daniel Boone.
- BOONE, Samuel**—Frederickstown, Md. Musket lock-maker of Revolutionary War period.
- BOONE, Squire**—Rowan County, N. C. Brother to Daniel Boone, before 1800.
- BOONE, Thomas**—Oley Valley, Pa.; making flintlock Kentucky rifles in 1797. First cousin to Daniel Boone.
- BOOTH, R. W.**—Cincinnati, Ohio. Maker of percussion rifle locks. Also made flintlock Kentucky rifle.
- BOOTH, William**—Philadelphia, Pa., 85 S. Front St., in 1798, and on South Second St. from 1799 to 1816. Made pistols of martial type and manufactured and rented duelling pistols.
- BOOTH, William**—Musket maker of Narberth, Pa., flintlock period. May have been the Wm. Booth who later married into the Nippes family, musket contractors.
- BORDER, Daniel and Enos**—Bedford Borough and Township, Bedford Co., Pa., about 1843.
- BORDER, Gebald**—Bedford, Pa., 1769.
- BORDER, John**—Bedford Co., Pa. Son of William, brother of Daniel. Made mostly percussions.
- BORDER, Samuel**—1825-1865, flint and percussion periods. Bedford Co., about 1841, later Somerset Co.
- BORDER, William**—Bedford, Pa. Son of Gebald, father of Daniel and John. Made rifles before 1800.
- BORDER, Wm.**—New Paris, Bedford, Co., Pa. Maker of full stock percussion squirrel rifles. Lock marked "W. B."
- BORTREE, William**—Gunsmith. Back of 433 N. Third, Phila., Pa., 1819.

- BOSTON ARMS COMPANY**—Boston, Mass. Civil War.
- BOSWORTH**—Also Bossworth, Lancaster County, Pa., 1800-1805.
- BOSWORTH, B. M.**—Unidentified. Cased pair of all metal percussion "bootleg" pistols. Cap boxes on left side of grips.
- BOUCHETTE, John**—Gunsmith. Cobb's Court, Phila., Pa., 1819.
- BOUDEREAUX, P.**—N. Y. Maker of a massive, schuetzen type, octagon barrel, percussion target rifle with false muzzle and engraved lock and breech.
- BOULON, W. S.**—Kentucky, 1800-40.
- BOURNE, William**—Savannah, Ga., Confederate imitation Colt Remington revolvers, marked "W.B. C.S.A."
- BOURON, P.**—New Orleans, La., arms maker. Born at Nantes, France in 1835. Was apprenticed to the gunsmith trade under Armand Soubie in 1847, at the age of 12. Located at 259 Bayou Road in 1853. Died in 1905.
- BOURON, Louis L.**—New Orleans, La., 1861-1943. Son of P. Bouron. Learned the gunsmith trade in his father's shop and after father's death continued the firm's business at 534 Chartres as P. Bouron Sons.
- BOURON, Philipe George**—New Orleans, La., 1859-1929. Son of P. Bouron. Learned the gunsmith trade at Evaeux, France, from 1878 to 1881, when he returned to New Orleans to work in his father's shop.
- EWMAN, William**—Loudonville, Ohio. Percussion rifles. Active 1865-1892. Worked with P. A. Reinhard of Loudonville, Ohio.
- BOWN, A.**—Barrel marking of a muzzle-loading, percussion rifle.
- BOWN, James**—Born in England, 1823; emigrated when ten years old and settled at Pittsburgh, Pa., in 1843. With Tetley, established the Enterprise Gun Works, 136-138 Wood Street, Pittsburgh, Pa. Father of Wm. H. Bown. Member of firms Bown & Tetley (1848-1862), and James Bown & Son (1871 to 1879 and possibly later).
- BOWN, James & Son**—(James and William H. Bown), Enterprise Gun Works 136-138 Wood St., Pittsburgh, Pa., from 1871; 121 Wood St. in 1883; bought out by Brown & Hirth in or before 1886. In 1883 advertised percussion fullstock rifles at \$15, half-stocks at \$12 and \$20, double rifles at \$35, and double rifle-shotguns at \$30. "The only manufacturers of the CELEBRATED KENTUCKY RIFLES, which name was adopted by the senior member of this firm in 1848; . . . all our Rifles have our name stamped on each barrel, and THIS STAMP." (KILL over, BUCK under, a buck facing left).
- BOWN, William H.**—Son of James Bown, above. Born 1847 at Pittsburgh, Pa. See also Bown, James & Son, above.
- BOWN & TETLEY**—Enterprise Gun Works, Pittsburgh, Pa., established 1848. James Bown became sole proprietor in 1862. Makers of a half stock, German silver mounted, percussion rifle of fine workmanship, with barrel and lock marked "BOWN & TETLEY PITTSBURGH" and barrel marked "KILL" over a buck and "ENTERPRISE GUN WORKS."
- BOYCE, T.**—Unlocated. Percussion underhammer pistol.
- BOYD BREECH-LOADING ARMS CO.**—81 Washington St., and later 205 Broadway, Boston, Mass. 1870-72.
- BOYD, Robert**—New Windsor, Ulster Co., N. Y., before and after 1772-76. Proposed to the Provincial Congress of New York (con-

sidered June 13, 1775), to furnish 1,000 muskets complete with steel ramrods, bayonets and scabbards at the price of 3 pounds, 15 shillings per stand, New York currency.

BOYER, D. (David)—Orwigsburg, Schuylkill Co., Pa. Maker of a flintlock (converted to percussion) Kentucky rifle, .47 caliber, barrel marked "D. BOYER," patchbox engraved in script "ORWIGSBURG DAVID BOYER"; related to, or possibly identical with D. (Daniel) Boyer? Lock marked "H. ELWELL WARRANTED." See also Elwell, Henry and Elwell, H.

BOYER, D. (Daniel)—Orwigsburg, Pa. 1790-1810. Son of M. Boyer.

BOYER, H.—Lehigh, District, Pa., flintlock period.

BOYER, J.—Pennsylvania, Kentucky rifle.

BOYER, M.—Lehigh District, Pa., flintlock period, Father of D. Boyer.

BOYER, N.—Lehigh District, Pa., flintlock period.

BOYINGTON, John S.—South Coventry, Conn., late flintlock to early percussion. Patent breech percussion rifle.

BOZEMAN, David W.—See Davis & Bozeman.

BRACKLOW, T.—Marking on percussion, walnut stocked, bronze furniture, percussion rifle with Remington barrel and G. Goulcher lock.

BRADA, Conrad—Baltimore, Md., 1860.

BRADLEY, R.—Unlocated. Possibly Georgia. Late flintlock period Kentucky rifle.

BRADT, W. H.—Leadville, Col., 1877-80.

BRAGG, Joseph C.—U. S. Inspector of Contract Arms, 1841-42, in plant of Nathan Starr.

BRAMMER, George L.—Chesapeake, Ohio. Died Feb. 16, 1947, aged 85.

BRAND ARMS CO.—Norwich, Conn., 1866-75. Whaling guns. See Brand, Christopher.

BRAND, Christopher Crandall—Norwich, Conn., manufacturer of whaling guns and lance guns. Born Hopkinton, Rhode Island Nov. 20, 1813. Learned the ironworker's trade and in 1852 patented his first invention, an explosive whale-bomb. Operator of Brand Firearms Company at Norwich, 1852-1875; plant located at 112 Franklin St., 1866-72, then at 124 Franklin. Residence variously at 24 and 26 Broad. Also made patented shoulder bomb guns for the whaling trade and invented many improvements for whaling devices and more conventional arms. After his death the factory was operated by Junius A. Brand until 1890. Christopher Brand was the original donor and incorporator of the Norwich Free Academy in 1854.

BRANDAGEEZ—Grahamsville, N. Y. Several generations made Kentucky rifles.

BRANG, Peter—See Brong, Peter.

BRANNAN, Luke—Paper Mill Street, Norwich, Conn., 1875. Pistol maker.

BRANT, Jacob F.—Uniontown, Pa., gunsmith, 1820-1850.

BRASIRUS, Joseph—Pennsylvania, flintlock period.

BRASIRUS, Peter—Pennsylvania, flintlock period. Related to Joseph Brasirus?

BREICK, Henry W.—Market St., (now No. 1008), San Francisco, Calif., 1847. Gunsmith shop back of hardware store. Died 1848.

- BREIDENHART, Chris**—Pennsylvania. Kentucky Rifles.
- BREIGLE, Jacob**—Union Township, Bedford Co., Pa., about 1860.
- BRELSFORD, Jonathan**—Zanesville, Muskingum Co. Ohio, 1814.
- BRELSFORD**—Zanesville, Ohio, 1850-61. Son of Jonathan Brelsford.
- BRENNER, Martin**—Lancaster, Fairfield Co., Ohio, 1820-30.
- BREY, Elias**—Pennsburg, Pa. Born Nov. 2, 1817, son of John Adam and Elizabeth Brey. Worked as a youth in Kraussdale machine shops. A bachelor, he later settled in Kraussdale with relatives until his death May 25, 1891. Made two styles of cane guns.
- BRIDESBURG MACHINE WORKS**—Shops at Bridesburg, and Philadelphia, Pa. Musket contractors for Springfield muskets during the Civil War. There were 98,464 stands delivered of the 100,000 contracted for. Controlled by Alfred and Barton J. Jenks. See Jenks, A. & Son.
- BRIDGEWATER MFG. CO.**—North Bridgewater, Mass., July 26, 1813, Alpheus and Parmenas Brett "conveyed all rights, title and interest in and to the trip-hammer or water shop to the Bridgewater Mfg. Co." It is not certain that this firm made arms, though a flintlock musket is known with lockplate marked with an eagle, "U. S.," "BRIDGEWATER" and dated "1812." James Perkins of Bridgewater, in association with Adam Kinsley had a musket contract in 1808, and it is believed that this lockplate was their product.
- BRIGGS, J.**—Ithaca, N. Y., percussion period
- BRIGGS, N. A.**—Norwich, Conn. Flobert action target pistol.
- BRIGGS, William**—Norristown, Pa., 1848-50.
- BRIGH, Samuel**—Pennsylvania. Skilled maker of Kentucky rifles.
- BRISTOL FIRE ARMS CO.**—Bristol, R. I., makers of Burnside carbines. Organized by A. E. Burnside in 1855. The government purchased 200 breech-loading carbines from Burnside April 21, 1856, at \$30.00 each, and 709 from Bristol F. A. Co., Sept. 21, 1858, at \$35.00 each. Taken over by creditors in May, 1860, and reorganized. See Burnside Rifle Co.
- BROCKWAY, C., JR.**—Elk Co., Pa. Reported maker of a curly maple, half stock rifle.
- BROCKWAY, Norman S.**—Born March 13, 1841, in South Charlestown, N. H.; moved to Bellows Falls, Vt., in 1844. Worked at Springfield Armory during the Civil War; in February 1864 was put in charge of mainspring work at Norwich Arms Co., Norwich, Conn. In March 1865 he operated a turret lathe for Smith & Wesson. Returned to Bellows Falls in May 1866, set up shop, and began making rifles May 1, 1867. Made many fine heavy match rifles, both muzzle-loading and breech-muzzle-loading, regular or gain twist. Died at West Brookfield, Mass., July 25, 1936. Noted as a match shooter.
- BRONG, Joseph**—Lancaster, Pa., flintlock period.
- BRONG, Peter**—Also Brang. 700 No. Queen St., Lancaster, Pa., musket maker. Contracted with the State of Pennsylvania on April 17, 1801, for 500 Charleville pattern, (Model 1795) muskets. On July 13, 1801, in association with Abraham Henry and Henry DeHuff, proposed to furnish the State of Virginia with 7,075 stands of arms at \$11.00 per stand, and 1,000 pair of pistols at \$15.00 per pair delivery at Lancaster in three years. No record of contract being awarded.

- BROOKE, J. J. & N.**—Listed in contracts as I. I. & N. Brooke, Pennsylvania musket makers. Contracted Nov. 1, 1808, for 4,000 Model 1808 muskets. There were 1,257 known to have been delivered by Oct. 7, 1812. Quite likely that arms were made for the Brookes' by Owen Evans with whom the Brookes family was associated. The Brookes' were probably located at Guelph Mills, about six miles east of Valley Forge. It was at Guelph Mills that Washington's army was encamped for about a week in December, 1777, just prior to going into winter quarters at Valley Forge.
- BROOKLYN FIRE ARMS CO.**—Brooklyn, N. Y., about 1863-64. Makers of a front loading revolver with removable cylinder under Frank P. Slocum patent of April 15, 1863, No. 38,204. The arm was produced to avoid infringement of Smith & Wesson patents.
- BROOKS, J.**—Marking in script on a Lancaster, Pa., carved stock rifle circa 1780.
- BROOKS, Richard**—(Or Brookes) Boston, Mass., 1675.
- BROOKS, WM. F. MFG. CO.**—New York, N. Y., 1861-65. Makers of Gibbs patent carbines, 1,052 of which were purchased by the government from May 30 to June 24, 1863.
- BROWN, Andrew**—Fremont, N. H., 1866-72. Son of John Brown.
- BROWN, Andrew J.**—Worcester, Mass., in 1852. Barrelnmaker, member of firm Allen, Brown, & Luther (q. v.).
- BROWN, C. E.**—Unlocated. Over-under percussion rifle-shotgun.
- BROWN, C. L.**—See Morris & Brown.
- BROWN, C. W.**—Unlocated. Over-under, mule ear, percussion rifle. (Same as C. E. Brown?)
- BROWN, Elisha**—Providence, R. I. Musket maker, active 1799-1801. Contracted under Act of July 5, 1798, for 1,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 775 were delivered by June 10, 1801.
- BROWN, F. P.**—(Or F. B.) Lancaster, Pa., late flintlock and early percussion rifle.
- BROWN & HIRTH**—Enterprise Gun Works, 520-522 Wood St., Pittsburgh, Pa., 1886. "Proprietors of the Enterprise Gun and Machine Works, and the only dealers in Pittsburgh or Allegheny County who manufacture their own gun barrels, and being the only parties who make the Celebrated Kentucky Muzzle-Loading Rifle." Successors to James Bown & Son (q. v.). Offered a complete line of muzzle-loading and other arms, barrels, gunsmiths' tools and gun parts, ammunition, and sporting goods. See Enterprise Gun Works; August Hirth, and James Bown & Son.
- BROWN, Ira**—Cincinnati, Ohio, 1863-65.
- BROWN, James**—Philadelphia, Pa. Listed as gunsmith on Front St., above Callowhill, in 1829.
- BROWN, J. F.**—Haverhill, Mass.; percussion rifles.
- BROWN, John**—Fremont, N. H., 1840-70. Fremont was known as Poplin until 1857. Percussion hunting and target rifles.
- BROWN, J. H.**—Dayton, Ohio, percussion rifle.
- BROWN, J. H.**—See Brown Mfg. Co.
- BROWN, J. N.**—Dayton, Ohio. Percussion Kentucky type rifle with lock by Bixler & Iddings, Lafayette, Ind.
- BROWN, Jos. M. Co.**—San Francisco, Calif. Importers and dealers.

Marking on a fullstock percussion "Bear Rifle" made by Leman, Lancaster, Pa.

BROWN MFG. CO.—Newburyport, Mass., 1869-73. Incorporated Feb. 18, 1869, and took over control of Merrimack Arms & Mfg. Co., makers of a bolt action rifle and arms under the Ballard patents. Operated by J. H. Brown. Also made "Southernor" cartridge derringer, manufactured with either brass or steel frames. The company went out of business July 23, 1873.

BROWN, Reuben—Nicholville, N. Y.; percussion rifles.

BROWN, W. H.—Percussion rifle with "T. & C. NEAVE EXTRA" lock.

BROWN, W. H.—Unlocated. Percussion rifle with lock by J. V. Hoffmann.

BROWN, WM. & SONS—Pittsburgh, Pa., 1850-60.

BROWNING, Abel S.—Terra Alta, W. Va. Fine late Kentucky percussion rifle, auburn maple stock German silver mounted; Joseph Golcher lock, H. E. Leman barrel.

BROWNING, August—San Francisco, Calif., gunsmith and rifle maker. 1887 before and after. In partnership with one Heber made the Browning-Heber rifles. Member of Browning & Bremer.

BROWNING & BREMER—651 Clay St., San Francisco, Calif., before and after. Gunsmiths. Imported Clabrough & Bro., shotguns.

BROWNING, Jonathan—Tennessee gunsmith, 1805-1879. In his youth moved to Kentucky where he learned the gunsmith trade and opened his own shop. Later joined the Mormons and established his shop at Nauvoo, Illinois. Designed and forged by hand his first repeating rifle as early as 1831. Later moved his shop to Iowa, on Musquito Creek, eight miles south of Kanessville (near Council Bluffs) and a half mile south of Trading Point. Here he located for two years. Advertised in the Kanessville "Frontier Guardian" Sept. 19, 1849, the manufacture of "revolving rifles and pistols, also slide-guns from five to 25 shooters." Made repeating rifles on the side feed and on the revolving cylinder principles. Moved to Ogden, Utah where he opened his shop in 1851. Here his famous son, John Moses Browning, firearms inventor and designer was born in 1855.

BROWNING JOHN M.—John Moses Browning, world famed arms inventor and designer. Born in Ogden, Utah, son of Jonathan Browning, arms inventor and maker. Designed and whittled breech mechanisms in wood at fourteen and made his own and his brother's rifles before he was twenty. At twenty-four obtained his first patent on a single-shot breech-loader.

With his brother Matthew Sandefur Browning, organized Browning Brothers Company, the J. M. & M. S. Browning Company and the Browning Arms Company. The brothers with the aid of their half brothers, J. Edmund and T. Samuel Browning made six hundred rifles as their initial stock. These along with the patents was acquired by Winchester Arms Company. Subsequent Browning patents covered a wide field of repeating arms—the Winchester Models '86, '90, '92, '94, '95, '06, Remington Models 81 and 241; repeating shotguns, Winchester and Remington as well as automatic pistols, machine guns and machine rifles names after the inventor. Browning arms were also made by Colt's and Fabrique Nationale d'Armes de Guerre of Liege, Belgium.

BROWNLOW'S ESTABLISHMENT—Knoxville, Tenn., steam-power printing plant seized by Confederates about Nov. 26, 1861 and converted to a shop for "alteration of arms." Parson Brownlow (Brownslow in some reports) editor of Knoxville Whig and Independent Journal, a strong Union man "left . . . and is abetting the enemy."

BROWNOP, James—Philadelphia, Pa., 1779-80.

BRUCE & DAVIS—Boston, Mass. Marking on double-barrel percussion pistols and Allen & Thurber type pistols. Believed to have been distributors who so marked arms which they handled for sale.

BRUFF, R. P.—New York, N. Y., percussion derringers.

BRUNKER, Peter—Ottawa, Ill. Percussion rifles.

BRUNSON, Peter—East Trumbull, O.

BRUSH, John—Gunsmith and armorer in Colonial Williamsburg, Va., after 1729. Reportedly in London ca. 1700. Emigrated to Virginia with Governor Spotswood, 1729. Brush was the first keeper of the Colony's magazine and was employed to fire guns at the Governor's Palace in celebration of King's birthdays. An early inventory lists "1 bird piece by Brush, 1/00/00." His home is being rebuilt and furnished as it appeared in 1730's.

BRYAN, Daniel—North Carolina, about 1800; made flintlock Kentucky rifles. Nephew to Daniel Boone.

BRYAN, T.—Die stamped marking "T. BRYAN" under barrel breech of Pennsylvania made, smoothbore "Kentucky fowler" circa 1770-80.

BRYANT, Silas—Walnut St., bet. 5th and 6th, Cincinnati, Ohio, 1818-29.

BRYCE—Unidentified. Percussion revolver. Barrel swings up to remove cylinder for loading.

BRYCE & BUDD—Unlocated. 1881. Damascus barrels, early hammerless, breechloading cartridge shotguns.

B. T.—Unidentified marking on circa 1830 Kentucky rifle.

BUCHALEW—South Rowlesburg, W. Va., percussion Kentucky rifle.

BUCHANAN, L.—Unlocated. Fine flintlock Kentucky rifles.

BUCHMILLER, R.—N. Queen St., Lancaster, Pa., 1869-70. Made percussion rifles from late 1840 or so.

BUCK, Daniel—Pennsylvania; early flintlock Kentucky rifles.

BUCK, H. A. & CO.—West Stafford, Conn., about 1883. Manufactured Buck's single-shot breech-loading rifle.

BUCKINGHAM—Delhi, N. Y., high grade, decorated percussion rifles.

BUCKLAND, E. H. & CO.—Springfield, Mass., 1866-68.

BUCKLEY, Anton—Cincinnati, Ohio, 1860-64.

BUCKNER—Maquoketa, Iowa.

BUCKWALTER, Abraham and Henry—Lampeter Township, Lancaster Co., Pa., 1771-79.

BUCKWALTER, David B.—Active at Antes Fort (later Jersey Shore) Lycoming Co., Pa., until about 1885, and later at Houtsdale until 1895. Maker of rifles, shotguns and pistols. Born 1850, died Bellwood, Pa., October, 1928.

BUCKWALTER, John—Lampeter Township, Lancaster Co., Pa., 1771. Brother of Abraham and Henry Buckwalter.

- BUDDENHAGEN, John**—Sandusky, Ohio, 1869-86.
- BUELL, Elisha**—Hebron, Conn. Made forty muskets for Privateer Oliver Cromwell; Oct. 11, 1776.
- BUELL, Elisha**—Musket maker of Marlborough, Conn., established 1797. Made Model 1795 and Model 1808 muskets, the latter under contract of Nov. 13, 1808. Details unknown.
- BUELL, Enos**—Son of Elisha above. Succeeded his father about 1825 and active until about 1850.
- BUFFALO NEWTON RIFLE CORP'N**—Organized by Charles Newton at Buffalo, N. Y., about 1923, and moved to New Haven, Conn., about 1925, where Newton arms were made until about 1932, when Charles Newton died and the company ceased operations.
- BUJAC & BENNETT**—New Orleans, La., shoulder arms machinery contractors to the Confederacy. In 1861 B. K. T. Bennett and Francis Lurgess were proprietors of New Orleans Foundry and Ornamental Iron Works, corner Magnolia and Erato Streets, New Orleans, La. Bennett of the firm with Bujac were erecting works with view to the manufacture of small arms, and according to the testimony would not take contracts for heavy guns. About April 25, 1862, in order to avoid capture by Union forces, the machinery was loaded on a ship and taken to Montgomery, Alabama, where it was sold to the Alabama Arms Manufacturing Company on June 3, 1862. It was inspected by Col. James H. Burton of the Confederate Ordnance Dept., on June 14, 1862 with view to purchase for C. S. A. Extract from Col. Burton's report: "... examined the machinery. Found it all exposed to weather, without any protection whatsoever, and in very bad order in consequence of not having been packed and boxed. The gun machines are of very cheap construction and not such as it would be advisable to introduce into a permanent Govt. establishment. . . . Decided not to take it." See Alabama Arms Mfg. Co.
- It would appear that some contractors of those days were also not above making a "quick dollar," even if a Confederate one.
- BULL, Elijah**—On Turkey Creek, Morristown, Tenn. Percussion rifles.
- BULL, Elisha**—North Carolina before and after 1821; flintlock Kentucky rifles.
- BURGEN, F. A.**—Partner with George Schoyen, gunsmiths, Denver, Colo. 1887-1897.
- BULLARD REPEATING ARMS CO.**—Springfield, Mass., about 1886-90. Makers of Bullard patent rifles. Bullard had been master mechanic for Smith & Wesson.
- BULOW, Charles**—Lancaster, Pa., about 1797.
- BUNGE, C.**—Geneva, N. Y. Pill-lock revolving rifles and air rifles.
- BURD, C.**—Philadelphia, Pa., flintlock period.
- BURDEN, Calvin**—Gunsmith. Back of 110 Race, Phila., Pa., 1819.
- BURDICK, S.**—Unlocated. About 1850-60.
- BURGESS GUN CO.**—Buffalo, N. Y., 1892-99. Single barrel repeating shotguns.
- BURKETT, A. H.**—Fairfield, Iowa, 1874. Double barrel rifle.
- BURKHARD, Wm. R.**—St. Paul, Minn., about 1850.
- BURNET, William**—Youngstown, Ohio, 1880-82.

- BURNETT, F. L.**—Unlocated, flintlock period.
- BURNETT, S. F.**—Unlocated. Percussion rifles.
- BURNHAM, Elisha**—Cleaned and repaired public arms for Connecticut. Account rendered in 1781.
- BURNHAM, Elisha**—Hartford, Conn., 1777-81. (Same as above?)
- BURNHAM, George**—Connecticut gunsmith. Worked on repair of public arms for the State, 1777-79.
- BURNS, Charles**—Bluffton, Ohio. Modern. Maker of heavy percussion match rifles.
- BURNS & CO.**—Unlocated. Heavy barrel Kentucky type percussion rifle.
- BURNS, H.**—Dayton, Ohio. Maker of a brass and sliver mounted, percussion Kentucky rifle of fine workmanship.
- BURNS, Henry**—Lewisburg, Ohio, 1873-75.
- BURNSIDE RIFLE CO.**—Providence, R. I. Organized by the creditors of the defunct Bristol Firearms Co., in May, 1860. Furnished 55,567 Burnside patent carbines to the government during the Civil War. The firm also made Spencer carbines, 30,496 of which were furnished to the government from April 15, 1865, to Oct. 31, 1865, too late for use in the Civil War. These arms were used in Indian campaigns.
- BURR**—See Spiller & Burr.
- BURT, A. M.**—Civil War musket maker, New York, N. Y. Contract of Dec. 26, 1861, for 50,000 Model 1861 Springfield rifle muskets at \$20.00 each. Of these there were 11,495 delivered. Marked "Trenton."
- BURTON, James H.**—Colonel Confederate Ordnance Dept. Employed at Harpers Ferry Armory in 1844 to become master armorer in 1854. Inventor of self-expanding bullet. Appointed Lieut. Colonel of Ordnance by Virginia in June 1861, and to same rank with title of Superintendent of Armories by the Confederate States in December of that year. Erected the captured Harpers Ferry Armory machinery at Virginia State Armory and went into production in ninety days. Died near Winchester, Va., Oct. 18, 1894.
- BURTON, L.**—Norwalk, Ohio, 1871-83.
- BUSCH, F. L.**—Lancaster, Pa., about 1770-1776. Early Kentucky flintlock rifles.
- BUSCH, Oscar**—Union, Mo. Reported maker of a fine 15½-lb. percussion, walnut halfstock German silver mounted rifle with back action lock. Bought in St. Louis in 1869.
- BUSLER, James**—Lycoming Co., Pa. Late flintlock Kentucky rifles.
- BUSWELL, J.**—Glen's Falls, N. Y., Over-under, percussion rifle and shotgun.
- BUSWELL, M. L.**—Unlocated. Percussion Plains rifle. Also superposed rifle-shotgun.
- BUTLER, John**—Lancaster, Pa., 1775-78. Musket maker to Pennsylvania. Committee of Safety.
- BUTLER, Joseph**—118 Randolph St., Chicago, Ill., 1857-84.
- BUTLER, Thomas**—Lancaster, Pa., about 1775. Succeeded as "public armourer" in April, 1778, by William Henry of Lancaster.
- BUTLER, William S.**—Unlocated. 1857. Percussion pistols.

BUTT, D. W.—Partner of George Schoyen, gunsmiths, Denver, Colo., 1885-87.

BUTTERFIELD, Jesse S.—Philadelphia, Pa. Manufacturer of Butterfield patent revolvers during the Civil War. Patentee of the Butterfield mechanical disc primer used on the revolvers. The disc primers of the Butterfield system were also used in conversion of flintlock muskets to percussion.

BUTTERFIELD, L.—Lynn, Mass.; percussion rifles.

BUXTON, Alfred C.—Manufacturer of Buxton single-trigger over-and-under shot gun and rifle. Born Castleton, Mich., April 23, 1843; died Nashville, Mich., Nov. 30, 1924.

BYERS, N.—Pennsylvania, 1800.

BYRKIT, A. H.—Fairfield, Iowa, about 1874. Two barrelled rifle.

C

CADMAN, A.—Columbus, Ga., 1861. Advertised, "Gun and Locksmith, Crawford St., one door west of Rankin's corner near the markets."

CALDERWOOD, William—Germantown Road, Philadelphia, Pa., 1807-19. Pistol and rifle maker. Contracted on April 21, 1808, with Tench Coxe, Purveyor of Public Supplies, for 60 pair of pistols.

CALL, G.—Pennsylvania in 1780; made early Kentucky flintlock rifles.

CALVERT, James—McKean, Pa. Emigrated from the Cheviot Hills, Scottish border; died about 1890.

CALVERT, W. H.—Beloit, Wis. Mostly percussion hunting rifles. Made guns from 1857 until after the Civil War, but operated a sporting goods shop until 1909.

CAMEL & CO.—Troy, N. Y., 1840; Kentucky rifles.

CAMP, Ben—Mt. Pleasant, Pa. Plain, unmarked, percussion hunting rifles. Made his own barrels; used Leman locks.

CAMPBELL—Gunsmith sent by Federal Government to Ft. Washington, Ohio, in 1788.

CAMPBELL, Abner—Hamilton, Butler Co., Ohio, 1862.

CAMPBELL, Tristram—St. Louis, Mo., 1842-1860, "journeyman gunsmith and gunmaker." Was with Christian Hoffman (Hoffman & Co.) 1842-1855. Percussion walnut stocked rifle with iron mountings.

CAMPBELL, William—Annapolis, Md. The Maryland Council of Safety agreed Dec. 11, 1780, to pay him 17 shillings 6 pence, for every musket stocked, finished and delivered.

CANADY, Charles—Philadelphia, Pa. Listed as gunsmith at 20 Budd, in 1829.

CAPRON, Lyman—Williamstown, Vt. Before 1875.

CARBOTT, J. A.—Unlocated. Percussion rifles.

CARDIS, Thomas—Pennsylvania, flintlock period.

CAREY, M.—Lexington, Ohio, 1866-69.

CAREY, Wm. & Co.—New York, N. Y. Percussion shotgun of fine workmanship.

CARGILL, Benjamin—Agreed with Elisha Childs and Nathan Frink

to make 100 muskets for the Committee of Safety at the cost of \$15.00 each, he to procure the stocks.

- CARLETON, M. & CO.**—Makers of Carleton under-hammer percussion pistols about 1860.
- CARLISLE, Henry**—Carlisle, Pa. Extra long flintlock Kentucky rifle. 8-lb. percussion Kentucky rifle with 39-inch barrel.
- CARPENTER, A. B.**—Unlocated. Name stamped on halfstock percussion rifle with gain twist barrel.
- CARPENTER, John**—Earl Township, Lancaster Co., Pa., 1771-79.
- CARPENTER, Nicholas**—Marietta, Ohio, 1788. First gunsmith to settle in Marietta. Killed by Indians in 1791.
- CARR, Samuel**—Gunsmith. Lolar's Court, Phila., Pa., 1819.
- CARRINGTON, James**—U. S. Inspector of Contract Arms, 1826-1830. Inspected arms in plants of P. & E. W. Blake and Nathan Starr.
- CARRUTH, Adam**—Greenville, S. C., musket maker 1809-21. On Nov. 14, 1816, took over Elias Earle's government contract of Feb. 16, 1816, for 10,000 muskets. Of the contract Carruth delivered only 2,240 stands before Sept. 20, 1820, thereafter failing on his contract. Also furnished arms to the State of South Carolina.
- CARTER, C.**—Fitchburg, Mass. Halfstock percussion rifle.
- CARTER, Frank C.**—Concord, N. H. Died 1830.
- CARTWRIGHT, John**—Ottowah, Ohio, before and after 1865.
- CARVER, James W.**—Pawlet, Vt., before and after 1885.
- CASE, WILLARD & CO.**—New Hartford, Conn. Makers of underhammer percussion pistols.
- CASSEL, Lee**—Celina, Ohio; percussion rifles.
- CASWELL & DODGE**—Springfield, Mass., musket makers of 1806-1807. Made and offered for sale muskets made on the Charleville (Model 1795) pattern.
- CASWELL, E. E.**—Albany, N. Y. Patent breech, percussion, set trigger, engraved, combination match-hunting rifle.
- CASWELL, John M.**—Lansingburgh, Albany, and Lewisburg, N. Y. Son of Thomas Caswell; taught gunsmithing to Nelson Lewis; retired 1836. At 60 State St., Albany, in 1815. Made flintlock Kentucky rifles, 4-shot Ellis-type repeating flintlock pistol, 6-shot flintlock revolver, percussion holster pistol, understriker rifle, percussion Kentucky rifle.
- CASWELL, John M., Jr.**—Lansingburgh, N. Y. Son of John M., grandson of Thomas Caswell. Heavy halfstock percussion target rifle with double rest and telescope sight.
- CASWELL, Thomas**—Musket maker of Lansingburgh, N. Y., and contractor to N. Y. State for Model 1808 muskets. Established about 1812 with three shops in Lansingburgh, employing about twenty-five workmen. One shop was on State Street (now Second Avenue) and the other two on Hoosick Street (now Thirteenth Avenue). The plants turned out between twenty-five and thirty muskets a week. After Thomas' death, his son John M. Caswell continued the business until 1836.
- CAUP, Levi**—West Buffalo, Snyder Co., Pa.
- CAVE, Christopher**—Dock Ward, Philadelphia, Pa., 1779.
- C. B.**—Unidentified. Marking on a light, flintlock Kentucky rifle.
- C. D.**—Long flintlock Kentucky rifle. Probably Christian Dürre.

- C. G.**—Unidentified. Curly maple full-stock, octagonal barrel, flintlock Kentucky rifle. Double set-triggers; cut out patchbox.
- C. H.**—Unidentified. Flintlock Kentucky rifle.
- CHACON, Paul**—Concord Street, Baltimore, Md., 1817.
- CHAIN, Bill**—Near Scottsdale. Everson area. Pa. percussion period.
- CHAMBERLAIN, E.**—Southridge, Mass. Underhammer percussion pistol.
- CHAMBERLAIN, Lyman**—Ellisburg, N. Y.; percussion rifles.
- CHAMBERS, Joseph G.**—Contracted with Committee of Defense of Philadelphia, in the War of 1812, to furnish "repeating guns."
- CHANDLER, J.**—Unlocated; possibly Highland Co., Ohio. Fullstock Kentucky rifles .34 to .36 caliber with 5-groove barrels marked "J. CHANDLER WARRANTED."
- CHANDLER, Stephen**—Musket maker to Committee of Safety, Connecticut, 1776.
- CHAPIN, A. H.**—Earlville, N. Y., percussion period.
- CHAPIN, E. R.**—Earlville, N. Y., percussion rifles.
- CHAPMAN, C.**—Unlocated. Confederate arms.
- CHAPMAN, C. H.**—Unlocated. Over-under, pill-lock, rifle and shotgun.
- CHAPMAN, James**—Bucks County, Pa., 1770-76. Musket maker to Committee of Safety.
- CHAPMAN, Josiah**—Fredericktown, Md. Operator of a large gun factory during the Revolutionary War.
- CHAPPLE, Thomas**—New York City. Percussion sporting rifles.
- CHARLOTTSVILLE RIFLE WORKS**—Charlottesville, N. C. From 1740 through to the Revolutionary War. Established by ex-employees of the Lemans of Lancaster, Pa. Made Committee of Safety muskets and pistols.
- CHARPIE, P. F.**—Mt. Vernon, Ohio. Cannon-barrel, underhammer percussion pistol.
- CHARRIER, Jacques**—60 Market St., Baltimore, Md., 1812. Listed at 35 Water Street in the 1817 Directory.
- CHASE, Anson**—Enfield, Mass., before 1830. Hartford, Conn., 1830-34, later New London, Conn.
- CHASE, Anson**—44 Bank, New London, Conn., gunsmith, 1870-71.
- CHASE, William**—Pandora, Ohio, before and after 1860.
- CHATENS, Charles**—Primrose Alley, Baltimore, Md., 1810.
- C. H. D.**—Marking under barrel breech of a long, flintlock, Kentucky rifle of about 1775-1800. Lock plate marked "T. D."
- CHERINGTON, A.**—Penna., 1847. Percussion rifle.
- CHERINGTON, T. P., Sr.**—Cattawissa, Pa., flintlock period. Father of Thomas P., Jr.
- CHERINGTON, Thomas P., Jr.**—Pistol and rifle maker of Cattawissa, Pa., flintlock and percussion periods. Also associated with George Schalk at Pottsville, Pa. Manually operated, early revolving cylinder 7-shot percussion rifle.
- CHICAGO ARMS CO.**—637-8 Monadnock Building, 1894 Distributors of Protector Palm Pistols, made by Ames Sword Co.
- CHICHESTER RIFLE CO.**—31 Montgomery St., Jersey City, N. J.,

1879. A promotion firm selling mail order revolver-rifles. Closed by action of postal authorities.

CHICOPEE FALLS CO.—Chicopee Falls, Mass. Percussion cadet musket with back-action lock.

CHILCOTE, J. A.—Dry Run, Pa., percussion rifle.

CHILCOTE, W. C.—Pennsylvania percussion rifle maker.

CHILD, Elisha—With Nathan Frink agreed with the Committee of Safety, Connecticut, "for the manufacture of 100 arms, but can get only 50, and those are not yet ready"; January, 1778.

CHILD & PRATT—St. Louis, Mo., dealers only. A fullstock percussion rifle made expressly for Child & Pratt by Brown & Tetley Enterprise Gun Works, Pittsburgh, Pa., 1848-62.

CHILDS, E.—See Nichols & Childs.

CHIPMAN, Darius—Rutland, Vt. Musket maker active 1799-1801. In association with Royal Crafts, Thomas Hooker and John Smith contracted under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795), muskets at \$13.40 per stand. Of these 575 were delivered before June 10, 1801.

Darius Chipman was born at Salisbury, Conn., in 1758. Was admitted to the Bar in 1781 and was state's attorney in 1785. In 1816 he moved to New York, where he died in 1820.

CHIPMAN, Samuel—Associated with Thomas Towsey, musket maker, in the contract for 1,000 muskets under Act of July 5, 1798, at \$13.40 per stand, of which 275 were delivered by June 10, 1801.

Samuel Chipman was the town clerk of Vergennes, Vt., in 1789.

CHITTENDEN, Ebenezer—Connecticut gunsmith to Committee of Safety. Worked on repair of public arms in 1781. Died in 1783.

CHITTLE, Frederick—Court Street, Buffalo, N. Y., 1832.

CHNADER, J.—Unidentified. Kentucky rifles.

CHOATE, N. W.—Auburn, N. Y., 1850-75. Three-barrel guns. Experimented with small bore, high speed combination.

CHRISKEY, Lewis—Philadelphia, Pa., 1815. Probably same as L. Chrisky or Ghriskey, q. v. Flintlock Kentucky rifles.

CHRISKY, L.—Philadelphia, Pa., Kentucky rifles.

CHRIST—Lancaster, Pa., 1772. Kentucky rifle.

CHRIST, Albert—Patentee and maker of Christ 18-shot rim fire cartridge revolver with two circles of chambers and superposed barrels. About 1860.

CHRIST, D.—Marking on Kentucky barrels, usually bored smooth. Letter "s" is reversed in the die. Probabilities are that Christ was a barrel worker who specialized in smooth-boring worn rifle barrels.

CHRIST, D.—Lancaster, Pa., Kentucky rifles.

CHRIST, Jacob—Lancaster Co., Pa., about 1800. Flintlock Kentucky rifles.

CHRISTMAN, J.—Unlocated. Percussion target rifle, walnut fullstock with forestock projection for muzzle rest.

CHURCH, J.—Unlocated. Flintlock Kentucky rifle.

CHURCHILL, Josiah—Belle Plaine, Scott Co., Minn., 1864-66.

CHURCHILL, Otis—9 Beaver St., Albany, N. Y., 1839-59. Last listed in 1859 directory at 78 State St. Percussion rifles.

CLABROUGH & GOLCHER—630 Montgomery St., San Francisco,

Calif. 1887, before and after. Gunsmiths. Imported Clabrough & Bro., English shotguns.

CLAGETT, Alexander—Hagerstown, Md. Musket maker. Contracted for 1,000 muskets Charleville pattern (Model 1795), under Act of July 5, 1798, at \$13.40 per stand. Of these 433 were delivered by June 10, 1801.

CLALLCH, H. M.—Pennsylvania, period of 1780; flintlock Kentucky rifles.

CLAPHAM, Josiah—Also Clapham Josiah & Co., musket makers 1776-77. Contractors to the State of Virginia.

CLARK—Philadelphia, Pa. Percussion derringers.

CLARK, Alvan—Cambridge, Mass. Patentee of the false muzzle on April 24, 1840. Pat. No. 1565.

CLARK & BLYMYER—Marking under barrel breech of a full stock Kentucky rifle, probably a percussion conversion from a flint lock.

CLARK, C. C.—Percussion pistol.

CLARK, Carlos C.—Windsor, Vt., 1856-68. Telescopic rifle sights.

CLARK, Charles D.—Pennsylvania. Kentucky rifles.

CLARK, Ezra—Hartford Co., Conn., rifle maker employing 19 workers in 1850.

CLARK, F. H. & CO.—Memphis, Tenn. Made derringer type percussion pistols.

CLARK, Frances—Pennsylvania musket maker to Committee of Safety, 1776. Frances Clark was one of the petitioners, representing Pennsylvania gun makers, complaining to the Committee of Safety in November, 1776, against the high cost of materials and labor entering into arms making, and quoting advances in prices within one year, since 1775.

CLARK, H. & CO.—Memphis, Tenn., makers of an engraved, silver mounted, short handled, percussion derringer.

CLARK, James—Hopewell Township, Bedford Co., Pa., 1821.

CLARK, James—Cincinnati, Ohio, 1807-1831. "Guns, pistols, daggers."

CLARK, John—Canton, Stark Co., Ohio, 1821-36.

CLARK, Joseph—Danbury, Conn. Musket maker. Contracted for 500 Charleville pattern (Model 1795), muskets under Act of July 5, 1798, at \$13.40 per stand. Of these 325 were delivered by June 10, 1801.

CLARK, Joseph Andre dit—Detroit, Mich. Had a rifle shop on the southeast corner of Randolph and Larned Streets. In 1814 was a member of a volunteer company raised by General Gass to drive off Indians who camped too close to town and stole cattle. The Detroit city map lists the property as the "Old Clark Claim."

CLARK & LAMBE—Anderson Lambe. Deep River, near Jamestown, Guilford Co., N. C. Civil War period, possibly before. Employed 12-15 hands.

CLARK, L.—Unlocated. Halfstock percussion rifles.

CLARK, N.—Pennsylvania, percussion period.

CLARK, N.—Curly maple, brass mounted, full stock, octagon barrel, percussion Kentucky rifle.

CLARK & RANKIN—Stamping under barrel breech of a Kentucky rifle barrel marked on top flat "C. & J. CRAIG PITTSBURGH." Truitt lock. Possibly Bedford County, Pa. James Clark?

- CLARK, R.**—Albany, N. Y., percussion period.
- CLARK, S.**—Lancaster Co., Pa., 1810-1830. Flintlock Kentucky rifle.
- CLARK & SNEIDER**—214 Pratt St., Baltimore, Md., 1876-84.
- CLARK, T. H.**—Lafayette, Iowa. Half stock, double set triggers, percussion rifle with iron furniture. Barrel marked "T. H. CLARK LAFAYETTE IOWA GAINTWIST."
- CLARK, W.**—Unlocated. Full maple stock percussion rifle with patch-box.
- CLARK, William**—Philadelphia, Pa., 1783.
- CLARKE, John**—Columbia, Pa., flintlock period.
- CLARKE, N.**—Columbia, Pa. 1830-1869. Flintlock and percussion rifles.
- CLARKE, R. S.**—Unlocated. Brass barrel flintlock holster pistol. (Possibly English. Uncertain.)
- CLASPILL, George W.**—Lancaster, Fairfield Co., Ohio, 1831-1850.
- CLAUSE, Nathan**—Pennsylvania. Early maker of flintlock Kentucky rifles, fine craftsman; handsome over-under flintlock rifle-shotgun.
- CLEMENT, John W.**—Tennessee, pre-Civil War. Heavy percussion match rifles.
- CLEMENT ARMS CO.**—Nickel-plated .22, "Baby Bulldog" revolver.
- CLEMENT, W. T.**—Associated with S. Norris in the manufacture of Civil War rifle muskets marked "S.N. & W.T.C. FOR MASS."
- CLEVELAND, W. H.**—Norwalk, Ohio, 1882-83.
- CLEWFLIN, W.**—Unlocated. Kentucky rifles.
- CLINE, C.**—See Kline C.
- CLING**—Spring Run, Pa.
- CLOSSON, Charles**—Phila., Pa. Listed as gunsmith at 6 York Court. in 1829.
- CLOUSE, George**—Woodbury Township, Bedford Co., Pa., 1855.
- CLOUSE, Henry**—Broadtop Township, Bedford Co., Pa., in 1852.
- CLOUSE, Valentine**—"Felty" Clouse. South Woodbury Township, Bedford Co., Pa., 1875. Died about 1927.
- CLOWE, Henry W.**—Superintendent Harpers Ferry Armory, 1857.
- CLUTZ, Capt. J.**—Massillon, Ohio, 1850-60. Halfstock, percussion target rifle.
- C. M. H.**—Unidentified. Stamped on barrel of heavy halfstock Plains rifle with brass tube for ramrod socket.
- C. N.**—Unidentified. Script initials on barrel of late Kentucky .28 cal. rifle with brass mounted, curly maple full stock and single trigger, back-action lock.
- COATES, James**—Philadelphia, Pa., 1810-14. Ex-employee of J. J. Henry.
- COBB, Nathan & Henry**—Norwich, Conn. Musket makers. Contractors under Act of July 5, 1798, for 200 Charleville pattern (Model 1795), muskets. All 200 delivered by June 10, 1801.
- COCHRAN, John W.**—New York, N. Y., percussion period. "Cochran's many chambered and non-recoil" firearms, called "turret repeating arms." Mostly made by C. B. Allen.
- COCKERAL, G. W.**—Unlocated. Half stock percussion Kentucky rifle marked on barrel and lock. All engraved silver mountings.

- COCKLER, P.**—Lewisburg, Pa. Late percussion period Plains rifle.
- COCKLIN, Nicholas**—24 Catherine St., New York, N. Y. 1834-39.
- COESTEL, (?) C.**—Unlocated. Indistinct stamping inside percussion hammers of converted flintlock shotgun by H. Turner, Albany; exquisite custom conversion work.
- COFER, Thomas W.**—Portsmouth, Va., 1861. Maker of a brass frame, sheath trigger Confederate revolver patented in Richmond Aug. 12, 1861. Operated on a small scale employing less than a dozen hands. Shop was closed with the capture of Norfolk, across the river, by Union forces.
- COFFERS, Augustus**—Lancaster, Pa., 1857.
- COGSWELL, S.**—Albany, N. Y., musket maker. Established about 1813 in the manufacture of Model 1808 muskets.
- COGSWELL, S.**—Troy, Pa., about 1800.
- COLBURN, D. G.**—Inventor of revolver, patented June 29, 1833.
- COLBY, C. D.**—St. Peter, Nocolett Co., Minn., 1864-71. Associated with Frazer. See Frazer & Colby.
- COLE, C. W.**—Unlocated. Marking on a heavy sporting rifle.
- COLDREN, Samuel**—Lancaster, Pa., 1857.
- COLEMAN, Charles**—About 1862. Maker of Coleman breech-loading rifle.
- COLEMAN, H.**—Boston, Mass., before and after 1847.
- COLIMAN, J.**—Cedar Falls, Iowa, 1866-68.
- COLLIER, Elisha**—Boston, Mass., 1807-1812. Inventor, patentee and maker of the Collier 5-shot revolving flintlock pistol, manufactured largely in England, whither he moved about 1813, and where the arm was patented in 1818.
- COLLINS, Lindsey**—Unlocated; probably Indiana. Reported maker of curly maple, fullstock percussion Kentucky rifle, DST, with brass furniture and factory lock.
- COLLMAN, J.**—Freeport, Ill. Halfstock percussion target rifle with name and location stamped on barrel; DST; factory lock by Spies. Reported used by member of Buffalo Bill's meat supply crew for railroad construction through Hays, Kansas. Possibly identical with J. Coliman, Idaho Falls, Iowa, 1866-68.
- COLSON, D. H.**—Eaton, N. Y. Underhammer, percussion pistol.
- COLT, Samuel**—Inventor and manufacturer of the Colt revolver. Born Hartford, Conn., July 10, 1814; died Jan. 10, 1862. See Colt Patent Fire Arms Co.
- COLT PATENT FIREARMS CO.**—Hartford, Conn. The first company organized by Samuel Colt for the manufacture of repeating firearms under the Colt patent of Feb. 25, 1836, was the Patent Arms Mfg. Co., located at Paterson, N. J. The firm was active from 1836-42, when the company failed due to lack of public and government support and sales, the patents reverting to Samuel Colt. The Mexican War created a demand for arms and obtaining a government contract for 1,000 army revolvers (Model 1847) Colt had them manufactured by Eli Whitney at Whitneyville, Conn. Upon receipt of additional contracts in 1847, Colt established the plants of the Colt Patent Fire Arms Mfg. Co., at its present location in Hartford, Conn. The manufacture of the early dragoons was followed by subsequent government contracts continuing to the present day and too numerous to mention here,

the firm having supplied the government with all types of arms in peace and wars. It may be of historical interest, however, to mention that according to the firm's records, during the Civil War the Colt Armory furnished the Union forces with 386,417 revolvers, about 7,000 revolving rifles and carbines, and 113,980 muzzle-loading rifle muskets.

COLTON, W. M.—Leominster, Mass. Halfstock percussion rifle.

COLUMBIA ARMORY—Columbia, S. C., also known as McPhail's Armory. Established with machinery and equipment removed from the Asheville Armory at Asheville, N. C. The plant was located in a warehouse owned by Fred W. Green, on the south side of Gervais Street, opposite Gist, and probably produced muzzle-loading rifles, though it was said to have made breech-loaders "just like the Yankees had." The plant was operated as a unit of the Confederate arsenal located a few blocks away, which had been removed from Charleston, S. C., and was in charge of Major J. T. Trezevant, C. S., formerly of Memphis, Tenn. On Sherman's approach, the machinery was packed up and taken to the railroad depot but could not be removed for lack of cars. The armory was shelled by Federal batteries on Feb. 15, 1865, and destroyed.

A Federal report by Lt. McCahill showed the capture of 10,410 stands of arms and 6,000 unfinished arms at Columbia, S. C., in February, 1865.

COLUMBUS FIRE ARMS MANUF. CO.—Columbus, Ga. Established by Louis and Elias Haiman, swordmakers and equipment manufacturers in the plant of the Muscogee Iron Works at the northeast corner of 14th and Oglethorpe Streets, which works they had purchased April 1st, 1862. On Aug. 26, 1862, the firm contracted with the Confederate States for 10,000 navy pistols, \$50,000.00 being advanced by the Confederacy on the contract. The plant employed some 385 hands in all departments, and had produced between 300 and 500, round barrel, iron frame revolvers of the Colt navy type, before the plant and machinery were destroyed by General Wilson's cavalrymen in a raid on Columbus.

Louis Haiman, born at Colmar, Prussia, came to United States as a child with his family, who settled in Columbus. At the outbreak of the Civil War, Haiman, a tinsmith, opened a sword factory next to Dr. Ware's Drug Store, and with the purchase of the Muscogee Iron Works, expanded his facilities to include the manufacture of bayonets, saddlery, mess equipment, etc.

After the Civil War, the Haimans, under the name of Phoenix Foundry & Machine Shop, and later the Southern Agricultural Works, engaged in the manufacture of agricultural and mill machinery.

COLVIN, M. S.—Salamanca and Syracuse, N. Y., before and after 1872. Fine percussion shotguns and target rifles with accessories.

COMINS, Loren—114 Washington St. and 73 Davis St., San Francisco, Calif., 1856. Lived with and related to P. B. Comins.

COMINS, Paschal B.—125 Commercial St., San Francisco, Calif., 1852-53. 70 Front St., 1854, and 69 Jackson St., 1858-61.

COMPTON, Phineas M.—Berlin, Somerset Co., Pa. Gunsmith and tinner. Born June 1, 1804, near Brunswick, N. J. Grandparents came from France. Father came to Berlin in 1813. Reared in Salisbury (Elk Lick), Pa. Died July 4, 1858.

COMPTON, Samuel—Son of Phineas. Entered his father's shop at age of 13. Died Nov. 27, 1902.

- CONDO**—Milesburg, Pa.; flintlock Kentucky rifles.
- CONDRIY, W. P.**—Portsmouth, Va. Back-action lock percussion rifle.
- CONE, Alfred Marion**—Born in Panama, N. Y., Dec. 21, 1831; died April 1, 1903. A cooper by trade, took up gunsmithing at Columbus, Pa.; later on North Centre St., Corry, Pa., and 331 Pennsylvania Ave. West, Warren, Pa. Made very accurate, finely engraved hunting and match rifles, some side-hammers.
- CONE, D. D.**—Washington, D. C., 1864-67. Inventor of a cartridge revolver under his name. Probably manufactured by Sharps and Hankins.
- CONE, R. M.**—Corry, Pa. Percussion rifle.
- CONESTOGA RIFLE WORKS**—Trademark of Henry E. Leman, Lancaster, Pa., 1834-1887; used on inferior or flawed products. Marking reported on flintlock and percussion Kentucky rifles, rifle locks, trap gun.
- CONFEDERATE STATES ARMORY**—Columbus, Ga. (next to Grant's factory). Arms as well as artillery harness, ordnance materiel and infantry accoutrements are believed to have been made and repaired at this armory, established with machinery removed from Baton Rouge, La., in spring of 1862 as well as from Demopolis, Ala., in 1864 and Atlanta, Ga., when threatened by Sherman. The armory operations were under Major F. C. Humphrey, C.A.S. Ord. Dept., who had been a lieutenant in charge of the Federal Arsenal at Augusta, Ga., and resigned his commission at the outbreak of the war. A contemporary letter states that "Jeff Davis has stopped the manufacture of arms at Columbus, Ga., for if they whip Grant they would have all the guns they wanted, and if they didn't, they would want no more made there." Though the manufacture of arms may have been discontinued towards the end of the war, other ordnance activities continued for on Feb. 21, 1865, Gen. Gorgas placed the C. S. Armory at Columbus (as well as those of Macon, Ga., Athens, Ga., and Tallassee, Ala.) under jurisdiction of Col. James H. Burton, C.S. Ord. Dept., with directive that "all orders for the officer in immediate charge of the Columbus Armory must pass thro' Col. M. H. Wright."
- CONKLE, F.**—Unlocated. Probably southwestern Pa. Percussion rifle with James Bown & Son lock.
- CONKLIN, H. M.**—Unlocated. Percussion rifle with lock by G. Goulcher.
- CONNECTICUT ARMS CO.**—Norfolk, Conn. About 1864. Made a .28 caliber front loading, cartridge revolver.
- CONNECTICUT ARMS & MFG. CO.**—Naubuc, Conn., 1866-68. Hammond carbines and Hammond Bull Dog pistols. See also Welch, W. W.
- CONRAD, Sam**—Gunsmith, Berlin, Somerset Co., Pa., 1837. Plain rifles of good workmanship.
- CONRAD, T.**—Barrel marking of a slim, early percussion period Kentucky rifle.
- CONSTABLE, R.**—Phila., Pa. Listed as gunsmith at 88 S. 2nd St., in 1829.
- CONSTABLE, Richard**—88 S. 2nd St., Philadelphia, Pa., 1817-51. Gunmaker. Flintlock and later percussion duelling pistols and derringers. Also imported many arms from England.

CONTER—Unlocated. Walnut full-stock, octagonal barrel, percussion Kentucky rifle.

CONTINENTAL ARMS CO.—Norwich, Conn., 1866-67. Manufactured Converse 5-shot cartridge pepperboxes.

CONVERSE, William H.—Colorado Springs, Col., 1875-80.

COOK—Rhode Island, flintlock period.

COOK, Ashabell—Clayton, N. Y. Ten-pound percussion hunting and target rifle.

COOK & BRO.—New Orleans 1861-62, Athens, Ga., 1863-64. Makers of Confederate rifles, carbines, and military equipment. The firm was organized by Ferdinand W. C. Cook, engineer and architect, and his brother Francis, in June 1861, with plant at Novelty Works No. 1, Canal Street, New Orleans, La. Operations began with 27 men, with expected output of eight to ten rifles per day. By August 1861 two shifts of workmen were employed. April 25, 1862, on approach of the Federal fleet, the machinery was loaded on S.S. NEWSBOY and left for Vicksburg, thence across country to Selma, Ala., and then to Athens, Ga. At Athens the firm acquired Hodgson's Grist Mill with 24 acres, purchased 249 adjoining acres and erected a stone-and-brick armory with castellated walls and flanking towers. The scant machinery brought from New Orleans was supplemented by boring and rifling machinery, drill presses, shapers, milling and other machines made by Athens Foundry & Machine Works. The plant employed a force of about 500 men producing rifles of Enfield pattern, artillery musketoons, cavalry carbines, triangular bayonets, bayonet scabbards and cartridge belts and boxes. Attempt was also made to manufacture sabers—"crude affairs with an iron hilt of Revolutionary War type."

Colonel James H. Burton of Confederate Ordnance, on a visit to the Armory in April 1864, stated that it was the best fitted and operated armory he had inspected in the Confederate States.

... "600 rifles and carbines were manufactured last month."

Towards the end of the War manpower shortage being critical, the Cook Armory as well as the Athens Foundry & Machine Works were closed down and their personnel formed into a home defence force under Major Ferdinand Cook. The unit participated at the battle of Griswoldsville, near Macon, in June 1864. In Dec. 1864 Major Cook was shot through the head and killed at Goose Pond, near Hardeeville, S. C.

In January 1865 the plant was valued at \$425,000 including land and buildings. After the War, Francis Cook, as a British subject, managed to obtain a pardon and retain the property which was sold to various foundries and shops, the land and buildings being purchased by Athens Mfg. Co., and converted into a cotton mill.

COOK, E. W.—Lockport, N. Y., 1849. Percussion rifles.

COOK, F. W. C.—Engineer and gunsmith, Calliope, between Benton and Hercules, New Orleans, La., 1853. (Of Cook & Bros., Confederate armorers?)

COOK, Roswell F.—West Potsdam, N. Y.; over-under percussion rifles.

COOKE, Jacob—Also Cook. Contractor Dec. 9, 1807, with Tench Coxe, Purveyor of Public Supplies, for 25 pair of pistols at \$10.00 the pair. On Feb. 1, 1808 was given an additional contract for 50 pairs of pistols.

- COOKSON, John**—Boston, Mass., active 1727-62. Inventor and maker of the famous Cookson repeating flintlock arms.
- COOLEY, D.**—Unlocated. Kentucky rifles, before 1800. Fine workmanship.
- COON, D.**—Ithaca, N. Y., son of Levi Coon. Percussion sporting rifles.
- COON, Levi (Sr.)**—Ithaca, N. Y., 1821. Flintlock Kentucky rifles.
- COON, Levi, Jr.**—Ithaca, N. Y. Son of Levi Coon. Percussion sporting rifles.
- COON, S.**—Unidentified. Percussion alarm pistol patented Sept. 22, 1857.
- COONS**—Unidentified. Maker of early American shotguns.
- COONS, E.**—Philadelphia, Pa., Kentucky rifles.
- COONS, Joseph**—Philadelphia, Pa., after 1810.
- COOPER**—Philadelphia, Pa., 1805.
- COOPER FIREARMS CO.**—Located at Pittsburgh, Pa., about 1852-1860, and at Frankford, Philadelphia, Pa., 1860-1869. Made percussion revolvers at both places.
- COOPER, Henry T.**—New York City, before and after 1845. Percussion pistols. "H. T. Cooper" is marked on the lock of a percussion match rifle by A. C. Stevens.
- COOPER & HEWITT**—Trenton, N. J. Arms makers to the government during the Civil War.
- COOPER, J.**—Flint, gooseneck hammer, lock with roller frizzen spring bearing, on a Kentucky rifle stamped "J. FORDNEY LANCASTER." Possibly connected with English firm B. & J. Cooper, 19 Partition St., New York City in post-Revolution period.
- COOPER, J. M.**—Pittsburgh, Pa. Percussion locks on W. McCullough over-under rifle. Same as James Maslin Cooper Firearms Co.?
- COOPER, James Maslin**—Patentee and manufacturer of the Cooper revolver. See Cooper Firearms Co.
- COOPER, J. R.**—New York, N. Y., before and after 1849. Probably agent for British arms.
- COOPER, R. F.**—West Potsdam, N. Y. Percussion over-and-under rifles.
- COOPER, Walter**—Bozeman, Montana. Reported in 1892 as a "practical rifle manufacturer." Gunsight inventor. Went west in 1858 and for 18 years was almost constantly in camp. Established sporting-goods house at Bozeman in 1869.
- COPE, Jacob**—Unlocated. Kentucky rifles.
- COPELAND, T.**—Worcester, Mass., about 1860. Revolvers.
- CORNS, Abraham**—Lancaster, Pa., 1857.
- CORMAN, H.**—Unlocated. A 24-lb. percussion match rifle stamped "H. CORMAN on 48" barrel and "H. CORMAN for F. BAKER" on silver cheekpiece inlay. Iron mounted, curly maple halfstock, Leman bar lock.
- COSMOPOLITAN ARMS CO.**—Hamilton, Ohio. Civil War Cosmopolitan carbines, and Gross Patent Arms. See Gwyn & Campbell.
- COSTER, Abram**—Philadelphia, Pa. 1810-14. Gunsmith to Committee of Defence.
- COTTON, W. M.**—Leominster, Mass. Half stock percussion rifle with

- octagon barrel marked "W. M. COTTON LEOMINSTER MASS." Lock by Wm. Reid, Boston.
- COUCH, John D.**—Middlesex Co., Conn., pistol maker employing three workmen in 1860. That year's output 800 pistols. (Revolvers?)
- COULANOY, J.**—Armorer. Was paid \$1,280, New Emission Currency (at rate of exchange four for one, equal to \$320, specie) for cleaning and repairing 160 muskets and bayonets at Phila., June 13, 1781.
- COULTHARD, J.**—Natchez, Miss. Halfstock percussion rifle.
- COUTTY, Samuel**—Philadelphia, Pa., pistol maker, paid tax in Chestnut Ward in 1779. Listed in the City Directories from 1785 to 1794, as residing at 25 Spruce St., in '85, 82 Chestnut St., in '91, 87 Front St., in '93, and 41 So. Water St., in '94. Made arms for private sale and worked on public arms for Commonwealth of Pennsylvania.
- COWELL, Ebenezer**—Allentown, Pa., musket maker to Committee of Safety in 1775. Made and repaired arms at the State Gun Factory in 1778. Later located at Philadelphia, 1779-82. Was paid \$280, New Emission Currency (at rate of exchange four for one, equal to \$72, specie) for cleaning and repairing 60 rampart muskets at Phila., June 25, 1781.
- COWELL, Joseph**—Boston, Mass., 1745.
- COWELL, P.**—Pennsylvania, prior to 1783.
- COWLES & SMITH**—Chicopee, Mass., 1868. Pistol manufacturers.
- COWLES, W. W. DEANE & CO.**—Chicopee, Mass. Single-shot, .22 cal. rim-fire cartridge pistols.
- COX & SON**—Atlanta, Ga., 1847.
- COX, George**—Mifflin County, Pa., late percussion period.
- COX, Martin**—Gunsmith. Oak above Noble (N.L.), Phila, Pa., 1819.
- COX, R. C. GUN CO.**—Milwaukee, Wis. 1894-95. Gunmakers at 326 Grove.
- COXE, Tench**—Purveyor of Public Supplies 1803-1812. Negotiated arms contracts until 1812.
- C. P.**—Letters to denote ownership by Commonwealth of Pennsylvania.
- CRABB, Thomas**—Frederick Town, Md. Musket maker, 1799-1801. Associate of Nicholas White, Jacob Metzger and Christopher Barnhizzle in a contract under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795), muskets at \$13.40 per stand, of which 235 were delivered by June 10, 1801.
- CRABTREE, Absalom**—Buffalo Creek, Tenn., later migrated to McCracken Co., Ky. Flintlock Kentucky rifles.
- CRAFT, George W.**—Craft Creek, Morris Township, Washington Co., Pa. About 1860-1875. Had served apprenticeship under Abe Williams. Made unmarked, half stock percussion rifles.
- CRAFT, P. W.**—Columbia, S. C., maker of percussion duelling pistols and of a half stock, percussion Kentucky rifle.
- CRAFTS, Royal**—Rutland, Vt. Musket maker, active 1799-1801. In association with Darius Chipman, Thomas Hooker and John Smith, contracted under Act of July 5, 1798, for 1,000 muskets Charleville pattern (Model 1795) at \$13.40 per stand, of which 575 were delivered before June 10, 1801.

- CRAIG, Andrew**—Richland County, Ohio. Prior to 1812, with his brother David, had been gunsmith to the Indians in the "Indian Country." In the War of 1812 they were at stockade and fort at Mansfield.
- CRAIG, David**—See Craig, Andrew.
- CRAIG, C. & J.**—Pittsburgh, Pa. Top flat marking of an original percussion Kentucky rifle with barrel marked under breech "CLARK & RANKIN." Truitt lock.
- CRAIG, J.**—Philadelphia, Pa. Fullstock percussion Kentucky rifle. (Probably J. Craig of C. & J. Craig.)
- CRAIG, J. W.**—Unlocated. Percussion sporting rifle.
- CRAIG, Robert**—Philadelphia, Pa. Gun-lock maker to Committee of Safety 1775-76.
- CRAIG, William**—Pittsburgh and Alleghany, Pa., about 1850.
- CRAMER, Phillip**—Pennsylvania, period of 1820; flintlock Kentucky rifles.
- CRANDALL, Jos.**—Unlocated. Percussion period.
- CRANDALL, Marion F.**—Towanda, N. Y., late flintlock and early percussion rifles.
- CRAVALTY & DUGAN**—Maryland, Committee of Safety.
- CRAWFORD, Alexander**—Lock filer at Springfield Armory. Filed the first musket lock in 1795 in 3 days labor.
- CREAMER, B.**—Phila., Pa. Flintlock Kentucky rifles and flintlock duelling pistols.
- CREEDMORE ARMORY**—Miles City, Mont. See A. D. McAusland.
- CRESCENT FIRE ARMS CO.**—Norwich, Conn. Modern.
- CRISSEY, Elias**—Hooversville, Pa. 1835-1915. Lightweight flintlock squirrel rifles. Had been apprenticed to Samuel Border in 1854.
- CROCKETT, Thomas**—Bath Co., Ky.; came from Virginia. Working in 1800. Made rifles for Gen. Harrison's troops in the Indian wars.
- CROFT, P. W.**—Columbia, S. C. Percussion duelling pistols.
- CROMWELL, Levi**—265 Ann St., Baltimore, Md., 1860.
- CROMWELL, Oliver**—118 Thames St., Baltimore, Md., 1860.
- CRONER**—Cross Creek Village, Washington Co., Pa.
- CROSBY, C.**—Massachusetts, 1867. Half-stock, percussion rifles.
- CROSBY, J.**—Springfield Armory lockmaker, 1807-1818. Name stamped inside some Springfield Armory goose-neck hammer pistols dated 1818. Also lock on Springfield musket dated 1818.
- CROSBY, L.**—Unlocated. Possibly N.Y.S. Flintlock Kentucky rifle.
- CROSMAN ARMS CO.**—903 Monroe Ave., Rochester, N. Y. Crosman air rifles. Modern.
- CROSSLAND, I. M.**—Kentucky rifle barrel marked "I. M. CROSS-LAND" and dated "1865."
- CROSSLAND, John**—Uniontown, Pa. Made Bedford Co., style rifles.
- CROSSLAY, J. M.**—Uniontown, Pa. Percussion rifle.
- CROW, C. A.**—Lima, Ohio, before and after 1870.
- CROYSDALE, Thomas**—Bond Street, Baltimore, Md., 1810.
- CRUM, D.**—Unlocated. Percussion Kentucky rifle. Same as Crumm?
- CRUM, T.**—Unlocated. Early Kentucky flintlock rifle, Roman nose butt, name acid-etched on barrel.

- CRUMM**—Huntingdon County, Pa., late percussion period.
- CRYTH, John**—Lancaster, Pa., Kentucky rifles.
- CULLEN, T.**—87 Battery, San Francisco, Calif., 1859-60.
- CULLMAN, G.**—Cleveland, Ohio, 1840.
- CULLMANN, Charles**—Columbus, Ohio, shotgun, rifle and pistol maker. Active about 1850 to 1894.
- CULLOUGH, William**—Brookville, Pa. Halfstock percussion rifle.
- CUMMINGS, Charles A.**—Worcester, Mass., 1866-69. Later Cummings & Lane.
- CUMMINGS & LANE**—Worcester, Mass., 1869-71.
- CUMMINGS, O. S.**—Lowell, Mass. Top-up .22 revolver.
- CUMMINGS, William**—Phila., Pa. Listed as gunsmith at 45 Green, in 1829.
- CUNKLE, L. G.**—Unlocated. Revolutionary period. Early flintlock Kentucky pistol with hand-forged lock, name stamped on barrel.
- CUNKLE, George**—Percussion period.
- CUNNINGHAM, John**—Harford County, Md. Musket maker to Committee of Safety. With Isaac Thomas, agreed, March 4, 1776, "for making a parcel of musquets which they oblige themselves to do, agreeably to directions which they have and are to receive from the Committee, as may be directed by the Council of Safety, at the price of Musquets are made for at Baltimore, to be complete with steel ramrod and bayonet . . ." A company of riflemen was raised in Harford County during the War of Revolution.
- CUNNINGHAM, W. A.**—Mt. Vernon, Ohio, 1857-59.
- CURRY, C. & CO.**—San Francisco, Calif., 1852-1863. Succeeded by sons J. and N. Curry in 1863 as N. Curry & Bro. or N. Curry & Co. Agents for Colt, Remington, Deringer, and British arms.
- CURRY, N.**—San Francisco, Cal. Maker of an all metal derringer type percussion pistol and a cartridge revolver. See C. Curry & Co.
- CURTIS, Jesse**—Waterbury, Conn. Musket maker to Committee of Safety. Received payment for sixteen muskets with bayonets, June 15, 1778. Later furnished seven more. On Jan. 22, 1779, in association with Thomas Fancher was paid for twenty-six muskets with bayonets.
- CURTIS, Russell**—Arms stoker, Springfield Armory, 1818.
- CUSHING, Alvin D.**—Troy, N. Y., 1829-1834. Kentucky rifles. Probably related to A. B. Cushing.
- CUSHING, A. B.**—Troy, N. Y. About 1840-70.
- CUTCHALL, I. W.**—Unlocated. Percussion Kentucky rifle.
- CYPHERS, M. B.**—Skowhegan, Maine, 1866-69.
- C. W.**—Initials of Charles Williams, U.S. Inspector of Contract Arms, 1808-1814. Inspected arms (sabers) at plant of Nathan Starr.
- C. W. H.**—Initials of C. W. Hartwell, U.S. Inspector of Arms within years 1831-1850.

D

- DADE & REYNOLDS**—Mobile, Ala. Flintlock match rifles.
- DALE**—Marking inside lock of undated Springfield musket. (Made in 1795-1798?)

- DALE, Samuel**—Armorer, Springfield Armory, 1817. (Same as above?)
- DALBY**—Brothers Enoch, Alexander and James. Millsboro, Washington Co., Pa. Percussion rifles with silver alloy sights.
- DALL, Joshua**—Unidentified. Kentucky rifle dated 1840.
- DALLAM, Richard**—Hartford Town, Md., 1775-76. Musket maker to Committee of Safety.
- DANA D.**—Unlocated. Pin-fastened barrel, flintlock musket.
- DANA, I.**—Or possibly J. Canton, Mass. Flintlock, Kentucky type, match rifle, full curly maple stock. Flintlock fowling piece.
- DANA & CO.**—Marking on a fine quality, engraved percussion lock of a percussion match rifle by James & Ferris, Utica, N. Y.
- DANCE BROS. & PARKS**—Makers of revolvers in imitation of Colts, for the Confederacy. The firm consisted of James, David and George Dance, of Nash County, North Carolina and later of Bells Landing, Texas. The arms were made in a shop on Brazos River, near Marion, in 1863-64, where the plant foundations and the Dance home are still to be seen. In 1864-65, the plant is reputed to have been moved to Anderson, Texas.
- Dance revolvers, identified by the absence of a recoil shield, were produced in .44 dragoon and .36 caliber Navy sizes. Number 324 is the highest serial number known.
- The relationship of Parks to the firm is unknown.
- DANIELS, A.**—Unlocated. Late flintlock and early percussion Kentucky rifles of North Central Penna. style, circa 1840-50.
- DANIELS, Adam**—"A. D." Lancaster, Pa. Late flintlock and early percussion Kentucky rifles. Initials "A. D." marked on a boy's brass and silver mounted, percussion Kentucky rifle.
- DANINGERFIELD, L. H.**—West Virginia; very heavy match Kentucky rifle.
- DANNE, John W.**—Mobile, Ala., 1860-68.
- DANNER, Jacob**—Canton, Stark Co., Ohio, 1818 or earlier.
- DANTZ, H. A.**—New Haven, Conn., 1874-76.
- DARLING, Barton & Benjamin M.**—Bellingham, Mass., and Woonsocket, R. I., Patentee, April 13, 1836, and makers of the Darling pepperbox percussion pistols. Markings: H, A.C.S., AIS, IEH, or JENGh. Also made single and double barrel pistols that closely resembled the pepperboxes.
- DARLING, W. K. & HARRIS, C. H.**—Otsego, Mich. Percussion mule-ear, over-under rifle.
- DARROW, L. F.**—Mayville, N. Y. Heavy halfstock percussion target rifle with Golcher lock.
- DAUB, J.**—Berks County, Pa., flintlock period.
- DAVENPORT, W. H., FIRE ARMS CO.**—Norwich, Conn., about 1880-1910. Single shot rifles. The Davenport Arms Co. was organized in May, 1880, with a capital of \$25,000, for the purpose of manufacturing firearms under patents owned by William H. Davenport. The officers were M. S. Taft, president, J. W. Coffin, treasurer, and W. H. Davenport, superintendent. Operations were begun at 79 and 81 Orange street, the company occupied four floor of a building 30 x 70 feet in size, and employed about 40 men in the various departments of its work.
- DAVIDSON, T. & CO.**—Cincinnati, Ohio, 1850-53. Made gunlocks. Operated by Tyler Davidson.

- DAVIES, E.**—Bouckville, N. Y., and Solsville, N. Y., percussion period.
- DAVIS, A.**—Deposit, N. Y. Over-under, flintlock, swivel Kentucky rifle.
- DAVIS, A. R.**—Deposit, N. Y., percussion period. *Son of Davis A.?*
- DAVIS & BOZEMAN**—Henry J. Davis and David W. Bozeman, rifle contractors to the Confederacy. Located three miles west of Central and 12 miles north of Wetumpka, Alabama. Made for the State of Alabama between 1st October 1863 and 1st November 1864, a total of 882 Mississippi rifles (M.1841) and 89 carbines. Specimen known marked "D and B Ala 1864." After the war the shop was used by Davis to manufacture machines to thrash grain and cotton gins.
- DAVIS, BRUCE & DAVIS**—Webster, Mass., percussion rifle.
- DAVIS & COSAT**—Perrysville, Ind., percussion rifle.
- DAVIS, C. A.**—Holcollville, Pa., percussion period.
- DAVIS, E. L.**—Hinckley, Ill. Percussion rifles.
- DAVIS, Henry J.**—See Davis & Bozeman.
- DAVIS, Isaac**—Revolutionary War period gunsmith of Acton, Mass. Was Captain of the Acton Militia Company which led the American charge at Concord Bridge April 19, 1775. Davis, leading the company, was killed by the first British volley. Believed to have been 30 or 32 years old at the time.
- DAVIS, John**—Employed as musket barrel maker by O. & E. Evans in 1810.
- DAVIS, J. N.**—New Paris, Pa. Percussion period.
- DAVIS, J. S.**—Indiana. Percussion Kentucky rifle with full curly maple stock.
- DAVIS, N. R. & SONS**—Assonet, Freetown, Mass., established 1853. Makers of percussion shotguns and rifles.
- DAVIS-WARNER ARMS CORPORATION**—Assonet, Mass. "Infallible" hammerless .32 automatic pistols. Davis of the firm is probably R. N. Davis of Assonet.
- DAVIS, Zemp**—Nevada City, Calif., about 1850; dealer and gunsmith.
- DAY**—Unidentified. Percussion, under-hammer cane gun.
- DAY, James**—Louisville, Ky. In 1843 at Joseph Griffith's shop, on Market between 5th and 6th. 1845-46 at 52 Fifth St. 1848 at Griffith's shop, 294 Green St. 1848-49, with J. Griffith, Walnut St., between Campbell and Wentzel. 1855-60, corner Brook and Market. 1865-67, Gun Store at 31 E. Market. 1869 and 1873, James Day & Co., guns, rifles, pistols. In sporting goods business until about 1890.
- DAY, J. C.**—Unlocated. About 1855. Percussion breech-loading self-capping rifle.
- DAY, John**—Boulder, Col., 1875-80.
- D. B.**—Unidentified. Late period flintlock Kentucky rifle with lock by Henry Parker.
- DEBOLT, Henry**—Established about 1852 at Boothsville, W. Va. Shop burned and he moved to Mt. Morris, Green Co., Pa. Later moved to Mapletown and became associated with Barney Engle, whose apprentice he may have been. Continued making fine rifles after Engle's death until the breech-loading era.

- D. C. & CO.**—Cincinnati, Ohio. Percussion rifle locks.
- DEASHNER**—Ithaca, N. Y., percussion over-and-under rifles and mule-ear rifles.
- DEBERIERE, Henry**—Also Debarrier. Mulberry Ward, Philadelphia, Pa., 1769-74.
- DECHARD, Jacob**—Also spelled Decherd, Dechert, Dickert, Deschard, Deckert and Digert. Philadelphia, 1732; Lancaster, Pa., before and after 1753, Lancaster County, 1777-82.
- DECKERT, Jacob**—Kentucky rifles. Mentioned in History of Lancaster, Pa., as gun-maker "with 40 years experience" in the year of 1795. Same as Dechard, Jacob or same family? Possibly identical with Dickert, Jacob, musket maker to State of Pennsylvania.
- DEEDS, Henry**—Wyomissing Creek, Berks Co., Pa. Made finished rifle barrels.
- DEEDS, H. W.**—Reading, Penna. Maker of heavy barrel .80 caliber flintlock goose gun.
- DEEDS, W.**—Pennsylvania. Kentucky rifles and smooth-bores.
- DEFIBAUGH, Dave**—Southern Bedford Co., Pa. Son of William, brother of Milton.
- DEFIBAUGH, L.**—Bedford, Pa., 1871.
- DEFIBAUGH, Milton**—Everett Borough, Bedford Co., Pa., 1860. Son of William, brother of Dave.
- DEFIBAUGH, William**—Monroe Township, Bedford Co., Pa., 1850.
- DeHAVEN, Hugh**—Also Dehaven. Assistant to Peter De Haven, Superintendent of the State Gun Factory at French Creek, Pa., 1776-77.
- DeHAVEN, Peter**—Also Dehaven. Before and after 1769-79. With Benjamin Rittenhouse established the State Gun-lock Factory at Philadelphia for the State of Pennsylvania. Later the factory was expanded to include gun manufacture. About Dec. 12, 1776, on the approach of the British to Trenton, the shops were moved to French Creek, Chester Co., near Valley Forge, and later again to Hummelstown. The State Gun Factory was discontinued in December, 1778, and Peter DeHaven applied for the position of Wagon Master in January, 1779, in view of the loss of his position at the factory. He was appointed Health Officer for the Port of Philadelphia on March 12, 1779. See Pennsylvania State Gun Factory.
- Four brothers of the DeHaven family, Jacob, Samuel, Edward and Peter, emigrated from France to America in the first part of the 18th Century, and settled in Pennsylvania, in Montgomery and Chester Counties, where they bought land for vineyards, tanneries and "plants for making muskets." Among the purchases was a tract of land on which the Village of Centre Square was laid out, which had been sold by Rees Thomas and Anthony Morris to Peter de Haven, in 1730.
- In view of the passage of years, probabilities are that Peter de Haven, the superintendent of the State Gun-lock Factory was the son of one of the DeHaven brothers.
- DEHUFF, Abraham**—Lancaster Borough, Lancaster Co., Pa., 1779.
- DEHUFF, Henry**—Also Dehulf. Lancaster, Pa., musket maker. Contracted with the State of Pennsylvania for 500 Charleville pattern muskets on April 17, 1801. Petitioner to the 7th Congress

on Jan. 28, 1803, for the non-removal of import duties on arms. In association with Peter Brong and Abraham Henry proposed July 13, 1801, to furnish the State of Virginia with 7,075 stands of arms at \$11.00 per stand and 1,000 pair of pistols at \$15.00 per pair, delivery at Lancaster in three years. No record of the contract being awarded.

On Dec. 9, 1807, DeHuff, in association with Jacob Dickert and Peter Gonter, contracted with Tench Coxe, Purveyor of Public Supplies for 600 rifles.

DEISINGER—Phila., Pa.

DELANEY—Sussex Co., N. J. Over-under percussion rifles.

DELANEY, Nelson—Reading, Berks Co., Pa., about 1845-72. Half-stock percussion hunting rifle.

DELLET, Peter—Lancaster, Pa., 1857.

DELONG, Ebenezer—Parishville, N. Y.; percussion rifles.

DELVEY, John—Gill, Mass. Heavy percussion match rifle.

DEMING, H.—Unlocated. Cherry full-stock, octagonal barrel, flint-lock Kentucky rifle.

DEMOPOLIS CONFEDERATE ARSENAL—Demopolis, Ala., 1863 "an arsenal where they make a great many small-arms." Equipment reported Feb. 16, 1864, to have been moved to the Confederate States Armory at Columbus, Ga.

DEMSTER, B.—Zanesville, Muskegum Co., Ohio.

DeMUTH, S.—Pennsylvania. Over-under, flintlock and percussion Kentucky type. swivel breech rifles of fine workmanship. Flint-lock rifle marked "DEMUTH*".

DENNISON—Haverhill, Mass., percussion period.

DENSLANS (or Denslars), R.—Unlocated. Halfstock percussion Plains rifle, brass and German silver mounted; Remington barrel, converted H. & W. Aston lock.

DENSLOW & CHASE—Hartford, Conn., about 1847. (Slate & Brown Shop.) Made 1,000 barrels and cylinders for Model 1847, Whitneyville Colt revolvers on sub-contract.

DEPREZ, J. M. & CO.—Unidentified 5-shot cartridge revolver.

DeREINER, Michael—Lancaster, Pa., before and after 1773-77. Kentucky rifles and muskets to Committee of Safety. Excused by the Executive Council from performance of military duties Dec. 5, 1777, for the making of arms for the State of Pennsylvania, in the employ and under direction of William Henry I.

DERINGER, Henry, Sr.—Richmond, Va. 17—to 1806, then Philadelphia, Pa. Colonial gunsmith of German descent, maker of Kentucky rifles. Father of Henry Deringer. Listed in Frankford Township, Philadelphia Co., in 1769.

DERINGER, Henry—Son of Henry Deringer, Sr., Colonial gunsmith, maker of Kentucky rifles. Young Henry was born Oct. 26, 1786, at Easton, Pa., and as a youth was apprenticed to a firearm maker at Richmond, Va., where he made rifles and other firearms, until he settled in Philadelphia in 1806, and established an arms manufacturing plant of his own.

He is known to have made martial pistols of 1808 pattern and later obtained the following contracts in addition to a contract of July 23, 1819, the details of which are not available: March 17, 1814—? Model 1814 rifles.

April 3, 1821—2,000 rifles at \$15.50 each
 Aug. 28, 1823—3,000 rifles at \$14.50 each.
 December, 1828—600 "old pattern" rifles, ("common rifles," Model 1817), later changed to 400 muskets.

Nov. 7, 1837—2,500 rifles for Indians at \$13.50 each.

March 7, 1840—6,000 rifles at \$14.50 each. Delivery over 5 years.

The Deringer Armory also made Navy box-lock Model 1843 pistols and later became well known for the small percussion pistols manufactured by the firm, one of which was used by Booth to assassinate Lincoln.

The factory was located for many years on Front Street in Philadelphia. In 1819 Henry Deringer is listed at 370 N. Front.

Deringer was content with the percussion system and stubbornly refused to manufacture breech-loaders, which he despised. He died in 1868, and not many years after his death his factory went out of existence.

DERINGER, J.—Phila., Pa. Imitation Deringer derringer pistols alleged to have been made by former employees of Henry Deringer to order of A. J. Plate of San Francisco, Calif., Deringer agent, who was unable to receive adequate stocks of genuine Deringer arms.

DERR, John—Lancaster and Oley Valley, Berks Co., Pa., 1810-1831. Extensive maker of flintlock and early percussion Kentucky rifles and rifled Kentucky pistols; a flintlock rifle dated 1831.

DESVERNEYS—Charleston, S. C. Maker of a double barrel, flintlock shotgun of plain but fine workmanship. Top of left barrel marked in gold inlay "DESVERNEYS CHARLESTON." Under breech appears "AMERICA FRISE" . . . and fleur-de-lys; also "FEPEIOFF TORDU" and "P-I." The locks are marked outside "DESVERNEYS" in script and inside "P-I." Though American made, shows strong French influence.

DETERER, Adam—Lancaster County, Pa., 1774-77. Musket maker to Committee of Safety. Excused by the Executive Council Dec. 5, 1777, from military duties, for the making of arms for the State of Pennsylvania, in the employ and under direction of William Henry I.

DETROIT RIFLE CO.—See Heal Rifle Co.

DETWILER, Anthony—Woodbury Township, Bedford Co., Pa., 1870.

DETWILER, Chris—Bellville, Pa. Late Kentucky rifles.

DEVANE, James—New Hanover County, N. C. Served the State as arms maker for one year from June, 1776, then re-entered the military service. Born Aug. 1, 1757, active until 1832.

DEVANE, John—Also DeVane. With Richard Herring established a Public Gun Factory authorized by Act of April 24, 1776, in the Wilmington District, North Carolina. After production of some one hundred long arms the factory was destroyed by Tory sympathizers.

DEVAUX, F.—Maker of a half stock plains or Indian rifle of indifferent quality. Barrel stamped "F. DEVAUX" and held to stock only by the ramrod and a wood screw at tang. Lock marked "LEMAN LANCTR. PA."

DEVENDORF, Louis—Cedarville, N. Y., percussion target rifles.

DEWARSON, R.—Boston, Mass., 1847.

DEWEY, Ebenezer—Amber, N. Y. Percussion rifles and rifle scopes. (Also made clocks and musical instruments.)

- DEWEY, Samuel**—Hebron, Conn., 1775-76, musket-barrel and bayonet maker to Committee of Safety. Petitioned for payment for 46 gun barrels 21 bayonets made to May 15, 1776.
- DEWITT, D. G.**—Elmira, N. Y. Maker of a half stock, brass trim percussion smooth bore, sporting gun.
- DEWITT, W. P.**—Elmira, N. Y., percussion period. Over-under rifle-shotguns.
- D. G.**—Barrel marking of a flintlock Kentucky rifle of about 1800.
- D. G. & CO.**—Cincinnati, Ohio, percussion period.
- DICK, Major Charles**—With Col. Fielding Lewis, operator of an Arsenal at Fredericksburg, Va., for the manufacture of small arms to equip Continental Line regiments raised in Virginia. Fielding Lewis and Charles Dick were appointed Commissioners to build and operate the Government Gun Factory of the Commonwealth of Virginia, by the Second Virginia Revolutionary Convention Commissioners, in July 1775.
- DICKENS, Fowler**—Phila., Pa. Listed as gunsmith at Lilley Alley, in 1829.
- DICKENS, John**—Phila., Pa. Listed as gunsmith at 31 New Market, in 1829.
- DICKENSON, John**—Russell Co., Va. Flintlock Kentucky rifles. His slave succeeded him in business.
- DICKERMAN**—Unknown, 1886. Hammerless single barrel shotgun.
- DICKERT, Jacob**—Lancaster Borough, Lancaster Co., Pa., 1779-1803. Musket maker; in association with Mathew Llewellyn, contracted on April 17, 1801, with the State of Pennsylvania for 1,000 Charleville pattern (Model 1795) muskets. One of the petitioners to the 7th Congress, on Jan. 28, 1803, for non-removal of import duties on arms.
- Jacob Dickert in association with Peter Gonter and John Groff, contracted for "rifle guns" in 1792, \$3,200.00 being paid on account. On Dec. 9, 1807, Jacob Dickert in association with Peter Gonter and Henry DeHuff, contracted with Tench Coxe, Purveyor of Public Supplies, for 600 rifles.
- DICKINSON**—Erie, Pa., active as late as 1900; Negro gunsmith.
- DICKINSON, E. L.**—Springfield, Mass. Rim fire revolvers. (Connected with J. & L. Dickinson?)
- DICKINSON, J. & L.**—Springfield, Mass. Rim-fire pistols and Sterling Bull Dog revolvers.
- DICKSON, M. & GILMORE, J.**—Louisville, Ky., 1840's and 1850's. Moses Dickson. Percussion Kentucky rifles.
- DICKSON, NELSON & CO.**—Makers of Confederate shoulder arms, 1862-65. Made Mississippi type (Model 1841) rifles and muzzle loading carbines. Furnished the State of Alabama 645 Mississippi rifles between Oct. 1, 1863 and Nov. 1, 1864. Also known as Shakanoosa Arms Mfg. Co. The firm consisted of Owen O. Nelson, Tuscumbia, Ala., attorney, then Judge for Court of Common Pleas; William Dickson, planter and extensive land owner in Tennessee Valley, Ala., and Dr. Lewis Sadler of Leighton, Ala., an elderly physician who furnished considerable financial aid.
- The plant was originally located at west end of Tennessee Valley, at Dickson, Ala., about twenty miles west of Tuscumbia, on the Memphis, Charleston R.R. (now Southern). After fall of Ft. Henry and gain of control of Tennessee River by Union forces,

the plant was moved for greater safety to Rome, Ga., thence to Adairsville, Ga., and finally in 1863 to Dawson, Terrill County, Ga., where it operated until the end of the War. The shops, foundry and other buildings of the plant at Dawson occupied 27 acres on the Central of Georgia R.R. Some work was done by sub-contractors, one of whom had a machine shop at Hopwell, Ark., opposite Memphis.

After the War, in 1866, Judge Nelson and his associates acquired the properties of the firm and under the name of Dawson Manufacturing Company went into manufacture of builders supplies and passenger and freight railroad cars. In 1885 the property was sold to Dawson Works. In 1929 one of the warehouses still had a good many of the unfinished walnut gun stocks, leftovers from arms manufacturing period.

DICKSON, William—See Dickson, Nelson & Co.

DIEMAR, R.—Taunton (Mass. or Minn.?). Horn inlaid, half stock, German style, target rifle marked "R. DIEMAR TAUNTON" on barrel and "R. DIEMAR" on lock.

DIEMER, I.—Taunton, Mass. Maker of a light weight, muzzle loading, percussion, target rifle. Marked "I. DIEMER" on lock.

DIESBOCK, John—(Probably same as Dieschbach or Disbock, probably also Dresbach). Flintlock Kentucky rifles.

DIESINGER—Philadelphia, Pa. Full maple stock muzzle loading percussion rifle marked on barrel "DIESINGER PHILADA." Lock marked "SOWERS & SMITH WARRANTED."

DIETS—Pennsylvania, Kentucky rifles.

DIETRICH, J. F.—St. Louis, Mo., 1840-60. Famous maker of Buffalo rifles.

DIFFENDERFER, John and Michael—Earl Township, Lancaster Co., Pa., 1779.

DIFFENDORF, Lewis—Cedarville, N. Y. Late Kentucky rifles.

DIKE—Bridgewater, Mass., Revolutionary War period.

DILLON, James—Bedford Borough, Bedford Co., Pa., 1844.

DIMICK & FOLSOM—See H. E. Dimick.

DIMICK, H. E.—Born in Vermont. Established in St. Louis, Mo., in 1849, at 42 North Main Street. Became associated with H. Folsom, the firm becoming Dimick & Folsom. Later changed again to H. E. Dimick & Co. Active 1849-73, died in August, 1874. Percussion derringers. Percussion revolvers bearing his name were manufactured for him. Probably by Manhattan Firearms Co.

DIMOND, Levi—South Fork, near Johnstown, Penna. Full stock percussion rifle.

DINGLER, J.—Easton, Pa. Curly maple, fullstock, flintlock Kentucky rifles.

DINSNION, John—Gunsmith. 404 No. Third, Phila., Pa. 1819.

DISBOCK—Pennsylvania, Kentucky rifles.

DISH, R.—New York, N. Y., percussion period.

DITTRICH, J. P.—Mobile, Ala. Lock marking of a Confederate musket.

DIXIE WORKS—Canton, Miss. Said to have made rifles for the Confederacy. On July 18, 1863 the Federals destroyed 5 locomotives, 30 cars of all kinds, 2 turn-tables, 13 railroad buildings. includ-

ing engine-house for 7 engines, with repair shops filled with fine machinery attached; 1 machine-shop, depots, offices, &c, 300 feet of trestle and bridge work, and 2 miles of rails burned and bent.

DIXON, C. M.—Unlocated. Silver inlaid, curly maple halfstocked percussion rifle with Truitt Bros. & Co. lock.

DIXON, W.—Adams, N. Y., silver mounted over-under, percussion rifle.

D. K.—Unidentified. Flintlock Kentucky rifle, stock finely inlaid with ivory, silver, and brass; forestock in two sections.

D. L. G.—Initials of D. Le Gro, U. S. Inspector of Arms within years 1831-1850.

DOTT, F.—Unlocated. Percussion rifle maker.

DOELL, Frederick G.—11 Dock square, Boston, Mass. Born in Duchy of Saxony, Germany, Sept. 9, 1842, where he was apprenticed to the gunsmith trade in 1856. Emigrated to U. S. in 1872 and after working for Wm. Schaefer, in Boston until 1884, opened his own shop making custom arms and gun stocks. Succeeded by son, Frederick H.

DOHERTY & EVANS—Petersburg, Va. Makers of a walnut half stock, German silver trim, back action lock, double set triggers, percussion rifle. Also of half stock, percussion Kentucky rifle of good workmanship.

DOHERTY, J.—Petersburg, Va. Maker of a half stock, Kentucky type, percussion rifle with double set triggers, and percussion shotgun. (Same as Doherty of Doherty & Evans above?)

DOLBY—Vicinity of Morgantown, West Va. Percussion rifles.

DOLL, Jacob—York, Pa., musket and rifle maker, associated with Henry Pickell and Conrad Welshanze in a contract of April 17, 1801, with Commonwealth of Pennsylvania for 1,000 Charleville pattern (Model 1795) muskets.

Contractor of 1792 for .50 caliber, flintlock Kentucky rifles with $3\frac{3}{4}$ inch barrels with muzzles turned down to take a bayonet, at \$10.00 each.

DONACK, George—New York, N. Y. Percussion period.

DONHAM, Lewis N.—"L. N. D." Greensboro, Greene Co., Pa.; also West Virginia. Born April 1, 1833, between Greensboro and Mapletown. Adopted initial N. after maturity. In early 1870's began apprenticeship under his uncle, Barney Engle, Greensboro, along with E. L. Pancost. Moved to Bowlby (10 miles south of Morgantown), West Virginia. Made full and half stock guns; expert at engraving, especially in German silver. Bought most of his barrel blanks, locks and triggers in Pittsburgh, Pa., but made and case-hardened his own tubes. Moved to West Virginia in 1890; sold out and returned in 1900, then did some arms work until his death August 6, 1902. Two German silver mounted Kentuckies and a fine, silver mounted, superposed double barrel revolving rifle, known. Used script initials "L. N. D." Taught school for twenty-odd years. Had been married twice and fathered 14 children.

DONN, James & Bro.—Canton, Ill., 1880-84.

DOOLEY—Scranton, Pa., percussion period.

DOOLITTLE—Homerville, Ohio, percussion period.

DOOLITTLE, Isaac—Worked on repair of public arms for Connecticut, 1777.

- DOOLITTLE, Milton**—Homerville, Medina Co., gunsmith, 1857-1897.
Born in Coatsville, N. Y. 1837. Came to Ohio in 1880. Died 1904.
- DOPLIER, Robert**—Wheeling, W. Va., percussion period.
- DORAN, J. E.**—Ashtabula, O.; working in 1910.
- DORCHESTER**—Colonial period, 1633-37.
- DORLEY**—Scranton, Pa. Percussion period.
- DORMAN, Robert**—Belltown, Mifflin Co., Pa. Late Kentucky rifles.
- DORN**—Huntington, Pa., 1830; flintlock Kentucky rifles.
- DOUGLAS, D.**—Unlocated. Percussion Kentucky rifle.
- DOUGLAS, J.**—Huntington, Ky. Maker of an inlaid, curly maple stock, percussion rifle.
- DOUGLAS, J.**—Tyrone, Pa. Late maker of fine Kentucky rifles; one numbered 28.
- DOUGLAS, Jacob**—East Springfield, Jefferson Co., Ohio. 1830-40.
- DOUGLAS, John**—Connecticut arms maker of Colonial and Revolutionary War period. Repaired arms for the Connecticut Committee of Safety, 1777-78. Gooseneck hammer, three banded, .75 caliber musket known, equipped with 42½ inch British Brown Bess type barrel (formerly pin fastened) marked on top "DOUGLAS." Iron furniture except brass butt plate.
- DOUGLAS, Robert**—East Springfield, Jefferson Co., Ohio, 1830.
- DOUGLAS, Thomas**—Maple full stock, brass patchbox, octagon barrel barrel percussion Kentucky rifle marked "THOMAS DOUGLAS" on barrel and "T. DOUGLAS" on engraved lock. Probably the same as Thomas Douglass.
- DOUGLAS, Thompson**—East Springfield, Jefferson Co., Ohio, 1850.
- DOUGLASS, D.**—Unlocated. Curly maple, full-stock percussion Kentucky rifles. (Same as D. Douglas?).
- DOUGLASS, John**—Huntington, Pa., 1830.
- DOUGLASS, John**—Jonesboro, Tenn. Percussion rifles.
- DOUGLASS, Thomas**—Unidentified. Percussion Kentucky rifle with silver inlays.
- DOULAR, John**—Philadelphia, Pa. Listed as gunsmith at 174 Coates, in 1829.
- DOW, Eli S.**—Dayton, Ohio, 1874-77.
- DOWLER, John**—Gunsmith. N.W. corner Green and Rose Alley, Phila., Pa., 1819.
- DOWNEY, John**—Jackson Co., Ohio, 1851-76.
- DOWNEY, Nathaniel**—Jackson Co., Ohio, 1869-86.
- DOWNY, M.**—Harrisonville, Ohio. Full curly maple stock, brass mounted, heavy octagon barrel percussion rifle.
- D. P.**—Initials of Daniel Pettibone, U. S. Inspector of Arms, 1808-1809.
- D. P.**—Initials stamped inside the lock plate and under barrel of a fine Penna. type, relief carved, flintlock Kentucky rifle circa 1800.
- DOYLE, John**—Lancaster, Pa., 1784. Plain, neat flintlock Kentucky rifles.
- DRAKE, Dolphus**—Adolphus Drake, gunsmith of Everett, Bedford Co., Pa., celebrated his one hundredth birthday Aug. 18, 1952. He was born near Cumberland, Md., Aug. 18, 1852 and settled

in the Everett area in 1873. Had been miner, tanner carpenter and as a sideline repaired guns and made muzzle-loading percussion rifles.

DRAKE, Malherd—35 Water St., Baltimore, Md., 1817.

DRASHER, S.—Unlocated. Over-under, swivel breech, percussion, Kentucky type rifle marked "S. DRASHER." Period about 1840-1850.

DREPERT, H.—Same as Henry Dreppert, Drepperd or Drippard. Inside lock marking of a U. S. Model 1795 musket. Also lock marking of a Model 1808 type flintlock pistol by I. Guest.

DREPPARD, John—Lancaster, Pa., before and after 1830. May be same as John Drepperd.

DREPPERD, Andrew—Lancaster, Pa., 1857.

DREPPERD, Henry—Also spelled Dreper, Dreppert and Drippard. Lancaster, Pa., 1775 and later. See Dreper.

DREPPERD, John—South Mulberry and West King Streets, Lancaster, Pa., 1857. Also listed as John Dreppard at the same address in 1869-70. Maker of cherry wood stock, long barreled, percussion Kentucky rifle with Jos. Golcher lock.

DREPERT, Henry—Also spelled Dreper, Drepperd or Drippard. Lancaster, Pa., 1775 and later. See Dreper.

DRESBACH, John—Pennsylvania, flintlock Kentucky rifles. See Diesbock.

DRESBACH, John Jr.—Mifflinburg, Pa. Probably son of John Dresbach above.

DREYAC, A.—36 Light St., Baltimore, Md., 1817.

DRIGGS-SEABURY ORDNANCE CO.—Utica, N. Y., World War I arms. Associated with Savage Arms Co.

DRIPPARD, Henry—Also spelled Dreppert and Drepperd. Lancaster, Pa., 1775. Kentucky rifles.

DRIPPARD, F.—Lancaster, Pa., 1767-73.

DRISBACH, G.—Unlocated. Kentucky rifles.

DRICOLL—Unidentified. Kentucky rifles.

DRISCOLL, J. B.—Springfield, Mass. Maker of single-shot, metallic cartridge pistols with ratchet ejector under barrel.

D. T.—Initials of Lieut. Daniel Tyler, Ordnance Dept. U. S. Army, Chief Inspector of arms made at National Armories after 1831. Had been stock inspector in plant of Nathan Starr.

DUDLEY, Geo.—2002 Mission St., San Francisco, Calif. Gunsmith, 1887.

DUEER, Christian—Fine 18th century flintlock Kentucky rifle with Roman nose stock, gooseneck hammer.

DUFF, Geo. J.—Pittsburgh, Pa. Member of firm Whitmore, Wolff & Co., later Whitmore, Wolff, Duff & Co.

DUFORT, A.—Charleston, S. C., 1867.

DUHART, A.—Gunsmith and lightning rod maker. Elysian Fields, New Orleans, La., 1853.

DULL, Jacob—Lancaster, Pa., 1802.

DUMOND—Unidentified. Half stock percussion rifle.

DUNCAN & BROS.—Philadelphia, Penna. Flintlock Kentucky rifle.

DUNGAN—East Tennessee. Kentucky flintlock rifles.

- DUNHAM, A. C.**—Under hammer percussion pistol.
- DUNKLE, William**—Pennsylvania. Percussion rifles.
- DUNKLE, G.**—Path Valley, Franklin Co., Pa., about 1790. Long, ornate Kentucky flintlock rifles.
- DUNLAP**—Salisbury, N. H.
- DUNLAP, G.**—Percussion period. Owner of Pennsylvania Rifle Works.
- DUNLAP, R.**—Pittsburgh, Pa. Percussion rifles. Perhaps related to G. Dunlap of Penna. Rifle Works.
- DUNMEYER, Jonathan**—Sipesville, Somerset Co., Pa. Early 19th Century. Light, half stock boy's rifle with silver inlays and brass patch box and Bedford Co. percussion lock. Also made plain, crude rifles.
- DUNMIER, J.**—Penna. Fine, slow-twist rifles.
- DUNN, James**—Swan Street, Buffalo, N. Y., 1832-35.
- DUNSETH, A.**—St. Louis, Mo.; making flintlock Kentucky rifles in 1806.
- DUNSETH, Andrew**—Gunsmith sent to Fort Washington, Ohio, by the Federal Government prior to 1790. At Zanesville, Ohio, 1804. Was also a silversmith.
- DUNWICK, William**—Also Dunwicke. Chester County, Pa., Musket maker to Committee of Safety. Forty firelocks made and delivered Jan. 3, 1776. William Dunwick was one of the petitioners, representing Philadelphia gun makers, complaining to the Committee of Safety in November, 1776, against the high cost of materials and labor entering into arms making, and quoting advances in prices within one year, since 1775.
- DURBEE, James**—New Bedford, Mass. Active in period 1828-1868. Veteran lance maker (for whaling purposes) and during a forty year period made 58,517 of them by actual record.
- DURHAM IRON WORKS**—Easton, Pa., prior to 1783. Owned and operated by Richard Backhouse.
- DURKEE, J. H.**—Lebanon, N. H. Percussion sporting and heavy target rifles.
- DURKEL, G. F. S.**—St. Louis, Mo. At No. 32 3rd St. in 1864.
- DÜRR, Christian**—Penna. rifle maker. Arrived Phila., Sept. 27, 1752 from Rotterdam, Holland. Served in Penna. rifle regiment in Revolution. Underside of one of his rifles stamped "CHD."
- DURST**—Unidentified, 1885.
- DURYEA & HEYER**—Makers of a Kentucky type, full curly maple stock, brass trim, light weight, single barrel, percussion fowling pieces, rifles; underhammer rifles. Employed W. W. Whitmore and Tarrington.
- DUTTON, John B.**—Jaffey, New Hampshire, rifle maker well known locally for accuracy of his arms. Born at Dutton homestead, Jaffey, Jan. 16, 1820. Moved to East Jaffey Village in 1876. Died March 22, 1881.
- DWARA**—Pennsylvania; flintlock Kentucky rifles.
- DWIGHT, H. D.**—Belchertown, Mass., 1847.
- DWIGHT, Spencer**—West Hartford, Conn.

E

EAGLE ARMS CO.—New York City. Incorporated Nov. 20, 1865, for the manufacture of the Eagle revolver made under patents of Willard C. Eliss, No. 24,726, July 12, 1859, and N. White, No. 39,318, July 21, 1863, which were taken over by the Eagle Arms Company from the Plant Manufacturing Co., who had manufactured the Plant revolver under the same patents.

EAGLE MFG. CO.—Eagleville, Mansfield, Conn., Makers of Springfield rifle muskets marked "U. S. Eagleville" during the Civil War. Contract of Dec. 26, 1861, for 25,000 at \$20.00 each of which 20,000 were delivered.

EAGLE RIFLE WORKS—Percussion Kentucky rifle with name on barrel, H. Elwell lock, and name Jos. Golcher inside cast brass patch box cover.

EALER, Lewis W.—Lancaster, Pa., 1857.

E. A. M.—Initials of E. A. May, U. S. Inspector of Arms within years 1831-1850.

EARL, Thomas—Leicester, Mass., 1770-76

EARLE, Elias—Centerville, S. C. Contracted with government on Feb. 16, 1815, for 10,000 muskets at \$15.00 per stand to be delivered at Centerville, S. C. Earle having been elected to Congress, the contract was taken over by Adam Carruth on Nov. 14, 1816.

EARLY, Jacob—Atcheson, Kansas gunsmith and frontiersman. Born in Tennessee in 1816; trapped in Rocky Mountain area in 1839; served in Mexican War; was government employed gunsmith to Sac and Fox Indians in 1853-60 and opened his own shop in 1864. Died 1886. Flintlock rifle marked "J. EARLY."

EARNEST, John & Peter—Gunsmiths, cousins, of Delmont, Pa., 19th Century. Rifles known marked "S. P. EARNEST." Peter may be Simon P. Earnest whose grave is so marked in the Delmont cemetery. John was born 1827, died 1904.

EARNHEART, Wm.—Unlocated. Fine 18th century Kentucky rifle with 40 inch barrel, about .38 cal. Engraved, long brass patch-box incised butt carving, silver inlays. Name on barrel. Also pair of Penna. construction circa 1812, flintlock pistols marked on barrels "W*M*EARNHART"

EARNEY, C.—Unlocated. Flintlock rifled target pistol.

EARPS & McMAIN—Walnut full stock, German silver inlaid, flintlock (converted to percussion) sporting musket, Kentucky style.

EASTERN ARMS COMPANY—Double action pocket revolvers.

EASTMAN, A. G.—Rochester, N. Y. Percussion rifles.

EASTMAN, George—Concord, N. H. Percussion rifles.

EASTMAN, J. I.—Jaffrey, N. H., 1863-1868. Underhammer arms, telescope-sight match rifles, long-barreled pistols.

EATON, D. S.—Moravia, N. Y.

EATON, E. E.—Chicago, Ill. Double barrel, hammer, 10 g. shotgun.

EATON, J.—Boston, Mass., 1847.

EATON, J.—Concord, N. H., 1874-1916.

EATON & KITTRIDGE—236 Main St., Cincinnati, Ohio, before and after 1851. Percussion rifle makers.

- E. B.**—Unidentified. Script marking on superposed, percussion Kentucky rifle.
- EBBERT, D.**—Unlocated. Percussion Kentucky rifle.
- EBERLE, A.**—545 Vine St., Cincinnati, Ohio, 1861-63.
- EBERLE, Charles**—Phila. cutler. Acted as inspector of sabers, contract of Dec. 9, 1807, for 2,000 horsemen's sabers, awarded to William Rose & Sons, Blockley Township, Phila., Pa., by Tench Cox, Purveyor of Public Supplies.
- EBERLY, John**—Lancaster, Pa., 1775-77. Excused by the Executive Council from military duty Dec. 5, 1777, for the making of arms for the State of Pennsylvania, in the employ and under direction of William Henry I of Lancaster.
- EBERSOLE, W. H.**—Vicinity of Duncannon, Pa. Gunsmith. Born Lancaster Co., Pa., 1846. Died 1920.
- EBNER, Ferdinand**—Burlington, Iowa. Born in Baden, Germany, October 22, 1831, son of Joseph and Anna Zimmerman Ebner. In 1853, having served apprenticeship in gunsmith trade, on death of father, emigrated with mother, three brothers and sister, to U. S. Lived for a short time in New York City, then Newburg-on-the-Hudson. Came to Burlington in 1855, to work for Mr. Ebersoll, gunsmith, whom he bought out a year later. Married locally in 1857 and later took sons Charles and Rollie into business, the firm becoming F. Ebner & Sons.
- Ferdinand Ebner had reputation for fine work; octagon barrel, heavy, schuetzen butt target rifle with micrometer sights adjustable for elevation and windage. Reported by Mrs. Charles F. Ebner: "I have seen several of his guns but didn't pay much attention, they were single barrels (I think) & heavy with his initial on end of barrel."
- ECKHART, H., & FLOHR, Charles**—Sacramento, Calif., after 1870. Schuetzen rifles.
- ECKEL, Charles**—518 Vine St., Cincinnati, Ohio, 1840-1860.
- ECKENRODE, David**—Upper Amberson, Pa.
- ECKHART, Henry and William**—St. Joseph, Mo., 1863-69.
- ECKLES, H.**—Pennsylvania, about 1820. A 53-inch flintlock Kentucky rifle.
- E. D. & CO.**—Unlocated. Marking on a Model 1795 musket lockplate.
- EDDY, James**—Philadelphia, Pa., 1812-14.
- EDGERTON, H. S.**—German, N. Y. and Chenango, N. Y., percussion period.
- EDGINGTON, D.**—Unlocated. Beautiful flintlock Kentucky rifle. The only Edgington family in the 1790 Pennsylvania census was in Washington County.
- EDMONDS, J.**—Unidentified. Flintlock Kentucky rifles.
- EDGAR & SMITH**—Wm. Edgar and B. M. Smith, Mineral Point, Wis. Marking on a percussion "duckfoot" revolver firing three shots at a time.
- EDWARDS, A. G.**—Corunna, Mich., 1869. Half stock percussion rifle.
- EDWARDS & GOODRICH**—New Haven, Conn., musket makers. Executors and trustees for Eli Whitney, deceased. Musket contract of March 21, 1830, details unknown. Contract of Jan. 8, 1840, for 7,500 muskets at \$12.45 per stand. Duration five years, 1,500 per annum. Edwards of the firm is believed to be ex-

- governor Edwards, one of the Whitney trustees from 1835 to 1842.
- EDWARDS, H.**—Unlocated. Fancy inlaid and relief carved Kentucky rifle.
- EFFLEBACH**—Philadelphia, Pa., percussion derringers.
- EGE, Frederick**—Detroit, Mich. Percussion rifles.
- EGGERS, Samuel**—New Bedford, Mass., about 1840-65.
- EHLERS**—Unidentified. Kentucky rifles.
- EHRMON, H.**—Pennsylvania. Kentucky rifles.
- EICHOLTZ & BRO.**—31 Queen St., Lancaster, Pa., flintlock period to 1888.
- EICHOLTZ, Robert L.**—Lancaster, Pa., 1857 Lancaster Directory.
- EICHORN, Charles**—Lock and gunsmith, Cleveland, Ohio, 1848.
- EISTER, J.**—York County, Penna. Revolutionary War period. Skilled rifle maker of fine arms. Uncle of H. Aultland.
- E. L.**—Unidentified. Kentucky rifle.
- ELDREDGE, J. W.**—Unidentified. Making on mule-ear percussion lock.
- ELLER, H. O.**—Cairo, Ill. Heavy percussion match rifle.
- ELLIOTT, Mathew and Nathan**—Kent, Conn. Musket makers. Contractors under Act of July 5, 1798, for 500 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 235 were delivered by June 10, 1801.
- ELLIS, J. A.**—Canandigua, N. Y., percussion over-under, mule-ear rifle-and-shotgun.
- ELLIS, Reuben**—Albany, N. Y. Contracted July, 1829, for 500 Hall breech-loading flintlock rifles. Failed on his contract. Maker of flintlock repeating rifles on sliding lock principle using S. North, Model 1817 rifles.
- ELLIS, S.**—Unlocated. 1855-60.
- ELLS, Josiah**—Pittsburgh, Pa., about 1854-57. Maker of "Ells" patent pocket revolver, patents of 1854 and 1857.
- ELLSWORTH, Joseph**—Present Richland Co., Ohio, 1800.
- ELWELL, H.**—Seneca Co., Ohio, before 1812. Made gunlocks for Indians.
- ELWELL, H.**—Pennsylvania. Though reported as maker of a flintlock Kentucky rifle, probably was a lock maker only, of late period flintlocks with reinforced hammers and roller frizzens spring bearings and of original percussion locks. Various marked H. ELWELL WARRANTED. Probably identical with Henry Elwell and N. Elwell, (misread)? Handsome Kentucky pistols known marked "H. Elwell" on lock plates.
- ELWELL, Henry**—Unidentified. Marking on the percussion lock of a rifle by G. W. Harvel & Bros. Elwell locks are also found on rifles by James Golcher.
- ELWELL, N.**—Unidentified. Marking on lock of a percussion Kentucky rifle.
- ELY, A. F.**—Mt. Vernon, Ohio, 1830-56.
- ELY, Martin**—Springfield, Mass., about 1770-75. Musket maker to Committee of Safety.
- EMERY, N.**—Chatfield, Fillmore Co., Minn., 1864-65.

EMMES, Nathaniel—Washington Street, South End, Boston, Mass. 1796-1825. Advertised "The Gunsmith's Business carried on in its various branches with neatness and dispatch."

EMPIRE STATE ARMS COMPANY—Revolvers.

ENGLE, Barney—B. E. script initials. Greensboro, Greene Co., Pa. Before and after 1870. Maker of a late percussion Kentucky marked "B. E." with H. Elwell lock. Taught the trade to nephew Lewis N. Donham and E. L. Pancost.

ENGLE, E. E.—Greensboro, Greene Co., Pa. Flintlock rifles. Reputed to have been the first gunsmith in Greene County. Father of Barney Engle.

ENGLEHART, J.—Nazareth, Pa., about 1830-36. Rifle maker, also made Darling brass pepperbox pistols marked E. Engh.

ENSLEY, M.—Unidentified. Percussion rifles.

ENTERPRISE GUN WORKS—136-138 Wood St., Pittsburgh, Pa. Established 1848 by Bown & Tetley. In 1862 James Bown became sole proprietor; in 1871 his son William H. Bown was admitted to partnership and the firm became James Bown & Son, until at least 1879. Firm trade mark was "KILL" over a buck deer. Rifles bearing the Enterprise Gun Works marks are known marked "BROWN & HIRTH," successors to James Bown & Son.

The following extracts from "Industries of Pittsburgh 1879."

"For more than thirty years the name of Mr. Bown has been identified with the gun business in the Iron City. The Enterprise Gun Works having been established in 1848 by Bown & Tetley. In 1862, Mr. James Bown became the sole proprietor, and in 1871, Mr. Wm. H. Bown, his son, was admitted and the firm became James Bown & Son, under which style it has continued to the present day. They occupy three floors of the large double store, 30x60, at Nos. 136 and 138 Wood street, employing twenty-six skilled workmen, and their weekly pay-roll amounts to about \$275. Their stock, which is full and complete in every variety of Guns, Rifles, Revolvers, Fishing tackle, Sportsmen's articles in General . . . While they are large manufacturers of rifles, Rifle Barrels, Shot Guns, etc., they also deal extensively in the best articles of foreign and American make . . . Mr. James Bown was born in England in 1823 and at the age of ten years came to this country with his parents, and in 1843 became a resident of Pittsburgh. Mr. Wm. H. Bown was born in the Iron City and has never lived in any other place.

ENTERS, Lewis—Philadelphia, Pa. Listed as inn-keep and gun stock manufacturer at 54 Callowhill, in 1829.

ERICHSON, H.—Houston, Texas. Percussion derringers.

ERNST, Jacob—Frederick, Md. Working in 1770, probably until 1820. Carved, silver inlaid flintlock Kentucky rifle with engraved, hand-forged lock; one rifle numbered 125.

ERRIES, Francois—Gunsmith, 175 Ursulines, New Orleans, La., 1853.

E. S.—Unidentified. Marking on an over-under, percussion rifle.

E. S. A.—Initials of E. S. Allin, Master Armorer Springfield Armory. Inspected arms made at Springfield Armory in the 1850's—60's. Inventor of the Allin breech-block as used on Springfield Models 1865 to 1889.

ESCHERICH, Anton, Ferdinand and Francis—Also Escherick. Baltimore gunsmiths, brothers, who came to Maryland from Pennsyl-

vania just before the Civil War. In addition to making and repairing long arms and pistols, Anton ran a restaurant as a side line in his shop on Baltimore Street, near Greene. Mr. Hetrick reports an A. Escherich double barrel percussion pistol notable for its exquisite engraving and bas-relief work.

ESPICH, Charles—Agersville, and New Philadelphia, Tuscarawas Co., Ohio., 1828.

ESTABROOK, J. M.—Milford, Mass., early percussion rifles

ESTABROOK, Wm. W.—Armada, Mich., maker of 2-barrel, superposed percussion rifles.

E. T.—Initials of Elisha Tobey, U. S. Inspector of Contract Arms, 1818-1830. Inspected arms in plants of R. & J. D. Johnson, Simeon North, Nathan Starr and Asa Waters.

EVANS—Of Doherty & Evans, Petersburg, Va. Makers of a walnut half stock, German silver trim, back action lock, double set triggers, percussion rifle.

EVANS—The Evans family, Pennsylvania gun makers of Evansburg, five miles north of Valley Forge, originally settled in Limerick Township, Pa. They intermarried into the Lane family of Lower Providence Township, who had settled in that locality in 1698.

EVANS, Brooke—Hardware merchant of 120 High St., Philadelphia, Pa. In association with John Rogers (who owned the Valley Forge) on March 21, 1821, took over the defunct contract of July 28, 1817, for 10,000 muskets at \$12.25 per stand, which had been awarded to Alexander McRae of Richmond, Va. Brooke Evans remodelled the old forge and iron works into a gun factory, and is known to have delivered 5,730 muskets by Dec. 31, 1823. These arms are marked "B. Evans—Valley Forge" in two lines surrounding an eagle. It is believed that after the contract was fulfilled, the partnership was dissolved, as in 1825, Rogers alone obtained a contract for 5,000 muskets.

EVANS, Edward—Musket maker of Evansburg, Pa. Associated with James Evans in a contract of May 2, 1801, with the Commonwealth of Pennsylvania for 1,000 Charleville pattern (Model 1795) muskets at \$11.00 per stand. See O. & E. Evans.

EVANS, James—Musket maker of Evansburg, Pa. Associated with Edward Evans in a contract of May 2, 1801, with the Commonwealth of Pennsylvania for 1,000 Charleville pattern (Model 1795) muskets at \$11.00 per stand.

EVANS, James E.—Philadelphia maker of percussion duelling and derringer type pistols and fine double shotguns. Listed at 25 North 2nd St., in 1850, 86 South St., in 1855, and at 230 South St., in 1860-65.

EVANS, Owen—Born in Limerick Township, Pa., July 12, 1758. Son of Thomas Evans. Resided and made arms at Perkiomen Bridge, Pa., (now Collegeville). The barrels for his arms were probably made at Pechin's Mill, about three-quarters of a mile south of Perkiomen Bridge. Had contract with Commonwealth of Pennsylvania of Dec. 7, 1797, for 1,200 muskets made after the Charleville pattern, to be stamped "CP." Died in 1812. Evansville was named after him. See O. & E. Evans.

EVANS, O. & E.—Pennsylvania musket makers Owen and Edward Evans, (see above) in partnership, contractors on Oct. 25, 1808, for 4,000 Model 1808 muskets, to be delivered in a period of five years. Of these 1,960 are recorded to have been delivered by

Oct. 7, 1812. The firm obtained an additional contract of Aug. 14, 1815, for 25 muskets, probably to close the account of previous contract. At this time the firm was managed by Edward Evans, Owen having died in 1812. Made French M.1805 type flintlock pistols of which a specimen was reported marked 1814 on barrel.

EVANS, Thomas—Lancaster County, Pa., before and after 1779.

EVANS, William L.—Sixth child of Owen Evans, William L. Evans was born May 28, 1797, at Evansburg, Montgomery Co., Pa. In 1825, he became associated with John Rogers, who had purchased Valley Forge in 1814. William L. Evans made pistols patterned after the Model 1826 North Navy arms, and on May 3, 1831, contracted for 1,500 muskets at \$12.45 per stand, to be delivered in a period of two years from Jan. 1, 1832. It is believed that barrels mostly were made at Valley Forge, the rest of the arm being made at the factory at Evansburg. William L. Evans arms are known marked "W. L. Evans V. Forge" and "W. L. Evans E. Burg" on the lock-plates. William Evans died Aug. 6, 1861, and is buried in the family plot in the old church-yard of St. James Parkiomen Church at Evansburg.

EVANS REPEATING RIFLE CO.—Mechanic Falls, Maine, about 1871-80. Manufacturers of the Evans repeating sporting and military rifles and carbines using a spiral tube magazine extending through the stock. The plant, which was operated by Merwin & Hulbert, ceased operations in 1880.

EVATT, Columbus—56 Light St., Baltimore, Md., 1840.

EVATT, Edward—35 Light St., Baltimore, Md., 1804-1818.

EVATT, Ellen, Mrs.—Baltimore, Md., 1842.

EVATT, John—Baltimore, Md., 1831.

EVERETT, Edward—36 Ellicott Wharf, Baltimore, Md., 1804.

EVERSON, L.—Unidentified. Maker of a curly maple full stock, muzzle-loading, percussion Kentucky rifle.

EWBANK—See Strohecker & Ewbank.

F

F.—Marking inside a Charleville type musket made without a lock strap, believed by historical association to have been made by Richard Falley under contract of 1798.

FAHNESTOCK—Kentucky percussion target rifle. Hooded front, adjustable open and peep rear sights; name on odd-shaped lock-plate.

FAINOT, F. & J.—See Farnot, Frank and Jacob.

FAIR, James—Dayton, Ohio, 1872-76.

FAIRBANKS, A. B.—Boston, Mass., prior to 1841. All metal (brass frame) percussion pistols and derringers.

F. A. M.—Unidentified. Kentucky rifle.

FALLEY, Richard—Montgomery, Mass., musket maker, active 1774-1801 and later. Contractor under act of July 5, 1798, for 1,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 750 were known delivered by June 10, 1801. Falley had served in the French and Indian War, and in the Revolutionary War, having been a company commander in the Battle of Bunker

Hill. After the War, was armorer to State of Massachusetts and later superintendent at Springfield Armory. Born in Maine, Jan. 31, 1740; died at Westfield, Sept. 3, 1808. In addition to service with the armed forces, Falley is believed to have made arms at Montgomery, Mass., during the Revolutionary War.

FANCHER, Thomas—Connecticut musket maker to Committee of Safety. In association with Jesse Curtis of Waterbury, furnished 26 muskets with bayonets. Earlier delivery of three muskets with bayonets is recorded as having been paid for July 29, 1776.

FARNOT, Frank—Also Fainot. Lancaster, Pa. Active 1779-83.

FARNOT, Frederick—Lancaster Borough, Lancaster Co., Pa., before and after 1779.

FARNOT, Jacob—Also Fainot. Lancaster, Pa., active 1779-83.

FARQUET, E.—Gunsmith. New Orleans, La., 1861.

FARRINGTON, William H.—Concord, N. H., percussion period.

FARROW ARMS CO.—Holyoke, Mass., about 1885-90, then at Mason, Tenn. Target rifles. Operated by Wm. Milton Farrow.

FARVER, W.—Unlocated. Percussion Kentucky rifles.

FAULK, Adam—Or Foulk. Unidentified. Maker of Kentucky rifles about 1775.

FAUST, Joseph H.—Alsace, Pa. Born about 1818. Active 1845 to about 1880. Gun stocker and rifle maker. Learned his trade watching John Derr and Henry Schaner, Oley Valley gunsmiths. Bought his barrels from gun barrel makers on Wyomissing Creek, and gun-locks at Reading. Made all other parts by hand.

FAUST, W. Ed.—La Fontaine, Ind. Percussion rifles.

FAVIER, Peter A.—67 West Pratt St., Baltimore, Md., 1845.

FAY, E.—Albany, N. Y. Percussion Kentucky rifles.

FAY, Edwin—Hartford, Conn. Learned under Edwin Wesson; later president of J. Stevens Arms & Tool Co., Chicopee Falls, Mass. A fine percussion buggy rifle with 12-inch barrel.

FAY, George—2120 Third Ave., Altoona, Pa. Listed as gunsmith in 1890 directory. Late percussion, full-stock, Kentucky rifles, some Bedford Co. type, others with purchased locks. May have worked in Bedford Co., and later in Cambria, near Altoona.

FAY, George W.—1000 Green Ave., Altoona, Pa. Listed as gunsmith in 1890 Directory. (Related to George Fay?)

FAYETTEVILLE ARSENAL—Fayetteville, N. C. Captured U. S. Arsenal established as Confederate armory in 1861, partly with machinery and material salvage from the burning of the Harpers Ferry Armory. Made Confederate rifle muskets similar in appearance to the Springfield Model 1861, but largely with brass furniture which was easier to machine than iron or steel.

In March, 1865, with the end of the Civil War in sight, (April 1865), the arsenal machinery was loaded on flat cars of a coal company and taken to Egypt, Chatham Co., where it was hidden. Egypt was the site of extensive Confederate coal mines. In May, 1865, the government having heard of the secreted machinery, sent ninety-six six-mule wagons, repossessed it and removed it to Raleigh whence it was shipped by rail to Washington. Among other equipment retaken was the musket lock-plate die from the Harpers Ferry Armory, in which the U.S. had been replaced by C. S. A.

- FEDER, G.**—Pennsylvania, about 1810. Flintlock Kentucky rifles.
- FEHR**—Four members, three of them gunsmiths, at Easton, Filetown, Nazareth, and Allentown, Pa. Set triggers made at Filetown, also at Nazareth.
- FEHR, J.**—Nazareth, Pa., 1835; Kentucky rifle so dated. Extensive maker of set triggers.
- FEHR, M. M.**—Set triggers on N. Shennelfelt, late percussion, Kentucky rifle.
- FELOUX, Peter**—Philadelphia, Pa. Listed as gunsmith at 190 South, in 1829.
- FENNER, Thomas**—Philadelphia, Pa. Listed on North Front, below Master, in 1829 and on Second Street in 1839. Gunsmith and pistol maker.
- FENSEL, Peter**—After apprenticeship at Kenton, Ohio, returned to Union County, Ohio, where he was born (1842), and established himself in business in 1887.
- FERGUSON, Charles**—Troy, N. Y., 1837; Kentucky rifles.
- FERREE, Jacob**—Lancaster, Pa., powder manufacturer and gunsmith. Born August 8, 1750. Was twice married. In 1785, Jacob Ferree moved from Lancaster to the mouth of Peters Creek, Jefferson Township, Allegheny Co., where with his son Joel he erected a powder mill and gun shop. Later in 1800, he purchased 330 acres of land where Coraopolis now stands, (Moon Township, west of Pittsburgh). The day after his arrival at his new home-
stead, Jacob's brother, Joel, was killed by Indians while hunting deer.
- During the Revolutionary War, Jacob Ferree had charge of the French Creek Powder Mill at Kimberton, Pa. He died in 1807, at the age of 57.
- The Ferree family of Pennsylvania descended from Mary Ferree (nee Warimbere, or Warembiere) a Protestant of French Huguenot descent from Bittingheim, High Bailiwick of Germer-sheim, Bavarian Palatina, who emigrated to America by way of Holland and England in December, 1708. Though her original application for passport applied for emigration to the "Island of Pennsylvania," she first came to Esopus, (now Kingston) N. Y., then in 1712 settled on a grant of 2,300 acres along the Pequea, in Paradise Township, Lancaster, Co., Pa. With Mary Ferree (twice married widow of Daniel Ferree, then John Ferree, slain in France) came her six children, three sons and three daughters, among them Isaac Ferree, the father of Jacob of this entry.
- Jacob Ferree had three sons, Joel, Isaac and William P., the youngest. Of these, two elder sons followed their father's gunsmith trade.
- FERREE, Joel**—Gunsmith. Son of Jacob Ferree and his first wife, Rachel. Worked with his father. Born Jan. 26, 1771; died in April, 1813. Was a colonel of militia in the War of 1812.
- FERREE, Isaac**—Son of Jacob Ferree and his second wife (nee Alice Powell). Born Jan. 9, 1776. Active as gunsmith at Baton Rouge, La., from 1818 until his death in 1822.
- FERREE, Joel Thornton and George Spencer**—Gunsmiths. Sons of Isaac Ferree. Active in Alleghany County before and until 1840.
- FERREE, Joel**—Son of Philip Ferree (one of the three sons of Mary Ferree) and Leah Dubois of Esopus, (now Kingston) N. Y., where his parents were married May 10, 1712, and shortly after moved

to Leacock Township, Lancaster, Co., Pa. Joel Ferree was born in 1731, and more than likely learned the gunsmith trade to which he was apprenticed at the age of 14, from his relative, Philip Lefevre. In 1752, upon reaching his maturity, Joel received land from his father, set up a rifle making shop, and was active until 1778 and later. During the Revolutionary War, he was a musket and rifle maker to the Committee of Safety, for whom he produced 30 to 40 arms weekly.

FERREE, Joel—Cumberland, Guernsey Co., Ohio, 1869-70.

FERREE, Manuel—Lancaster County, Pa., 1779.

FERRIS, Fred G.—Utica, N. Y., in 1859-60. Changed spelling to Ferriss; probably related to Geo. H. Ferris(s). Percussion rifles.

FERRIS, Geo. H.—Utica, N. Y., 1848-1875; 40 Lansing St. in 1850. Apprenticed under Morgan James; associated as James & Ferris, making rifles and telescope sights until 1859. Awarded Utica Mechanics Association medal for prize rifles, 1859. Name spelled Ferriss after 1863; last listed in Utica Directory for 1866. Probably related to Fred G. Ferris(s).

FESIG, Conrad—Or Feasig. Reading, Berks Co., Pa., 1779-85.

FETTER, William—Pennsylvania arms maker in the employ of Lewis Pahl, musket maker to Committee of Safety. On June 12, 1776, Fetter was ordered discharged or furloughed from the army in order to return to gun making under Pahl.

FIDLER, Squire—Near Tunnelton, Ind. Curly maple, halfstock percussion Kentucky rifle (possibly originally fullstock), brass mounted with German silver bat wing escutcheons. Lock stamped "D.C.&CO.-Cinn.-O."

FIEHL & WEEKS FIRE ARMS MFG. CO.—Phila., Pa., "Perfect" hammerless revolvers in imitation of Smith & Wesson.

FIELD, I.—Philadelphia, Pa., flintlock rifles.

FIFIELD & RICHARDSON—Boston, Mass. Double barrel percussion shotgun.

FIGHTHORN, Andrew—Reading, Berks, Co., Pa., 1779-85.

FILLINGER, J.—On barrel of .68 calibre militia rifle-musket, OHIO burned into sycamore stock opposite lock and on wrist.

FILLMAN, W.—Unlocated. Early percussion rifles of fine workmanship. (Same as W. A. Filman?).

FILMAN, W. A.—Unlocated. Maker of a full stock, curly maple, brass trim, Kentucky type percussion rifle.

FINCH, Joseph—New York, N. Y., before 1828.

FISCHER, George—Unidentified. Maker of a combination rifle and shotgun.

FISCHER, Gustav—New York, N. Y., before and after 1860. Breech-loading sporting or target rifles.

FISH—New York City, before and after 1845.

FISHEL, Jacob—Hopewell Township, Bedford Co., Pa., 1850.

FISHER, D.—Unlocated. Percussion sporting rifle.

FISHER, E.—Fostoria, Ohio. Back-action lock percussion rifle.

FISHER, Elam J.—Detroit gunsmith. Member of firm of Fisher & Long.

FISHER, F. G.—Greeley, Col., 1876-80.

FISHER, H.—New York, N. Y. Percussion sporting rifle.

- FISHER, J. H.**—New York, N. Y. Percussion Kentucky rifle.
- FISHER, Jacob**—Canton, Ohio. Skilled riflesmith. Percussion Kentucky rifle halfstocked in burl walnut with browning mottled to match. Brass mountings, back-action lock.
- FISHER, James**—8 Calvert St., Baltimore, Md., 1817.
- FISHER & LONG**—Detroit Gunsmiths from 1867. Took over William Wingert's gun shop and extended it to the main street, and sold sporting goods as well. A double percussion shot gun marked "FISHER & LONG" is in existence.
- FISHER, S.**—New York. Maker of a walnut half stock, double set triggers, well made percussion sporting rifle.
- FISHER, Uriah**—Rice's Landing, Greene Co., Pa. Learned the trade under Bruce Medeer, Brownville, Pa. Bought parts from J. H. Johnston, Pittsburgh. Son of a Civil War veteran. Still active in 1948.
- FISHER, Wm. B.**—Lynchburg, Va. Percussion Kentucky rifle with sun-shade tube sight.
- FISKE & TUTTLE**—New Haven, Conn., 1874-75.
- FITCH, James P.**—Unidentified. Maker of Jas. P. Fitch cartridge revolver.
- FITCH, John**—Trenton, N. J., 1769-1776. Born in 1743; gun maker and metal worker on King St., Trenton, after 1769. Manufactured files at Trenton with steelmaker Stacy Potts. Gunsmith or armorer to Committee of Safety; contracted to repair arms and make metal buttons for the Army. His shop burned by the British in 1776, Fitch moved to Bucks Co., Pa. Inventor of first steamboat, which operated between Trenton and Philadelphia 1788-1790. Mapped the Northwest Territory; died 1798 at Bardstown, Ky. A flintlock militia musket marked "FITCH" and "S. P." (State Property).
- FITCH & WALDO**—New York City. Makers of 5-shot percussion revolvers.
- FITZPATRICK**—Maker of a half stock, octagonal barrel, flintlock plains rifle with double set triggers.
- FITZPATRICK, Reese**—Natchez, Miss. Gunsmith to Bowie Brothers. Had been in their employ a number of years when the first famed Bowie knife was forged by James Bowie in the early 1820's.
- F. J. H.**—Marking on a percussion Kentucky target rifle.
- FLAGG, B. & CO.**—Millbury, Mass. Makers of Model 1842 percussion, smooth-bore muskets, marked on lock-plate, eagle, "US" and "B. FLAGG & CO., MILLBURY, 1849." No details as to contract.
- FLEEGER, John**—In association with his son, Wm. A. Fleeger, operated the Alleghany Gun Works, Alleghany (now a suburb of Pittsburgh), Pa. The works were established in 1831, at Diamond Street, for over 30 years, whence they were moved to 49 Ohio St., in 1877. The firm made flintlock Kentucky rifles, and later sporting and target rifles to order.
- FLEEK**—Barrville, Pa. Kentucky rifles.
- FLEGEL, George**—Armorer, U. S. Arsenal, Phila., Pa., 1815. Listed as "Fleegal," Master Armourer in 1819. Inspector of Contract Arms, 1823, at plant of Asa Waters. Probably the "GF," inspector of arms at the Henry Deringer plant in 1814.
- FLEGEL, J. G.**—Philadelphia, Pa. Listed as gunsmith at 221 St. John, in 1829.

- FLEMING, I. W.**—Unlocated, possibly Ohio. Plain fullstock percussion rifle, Joseph Manton lock.
- FLEMING, Silas M.**—Exhibited a "fine rifle gun of his own manufacture" at the county fair at Richmond, Indiana, 1852.
- FLOHR, A.**—Sacramento, Calif., 1851-1870. Fine muzzle and breech-loaders, false-muzzle Schuetzen rifles.
- FLOHR, Charles**—See Eckhart & Flohr.
- FLOHR & WENDLER**—Sacramento, Calif. Muzzle-loading, needle-fire 14 gauge shotgun.
- FLOWERS, Charles**—Harmony, Pa. Beautiful percussion Kentucky rifles; never made flintlocks.
- FOEHL, Chas.**—Philadelphia, Pa. Maker of a schuetzen type, percussion target rifle. Swiss type butt cap with long under-arm projection. German silver furniture.
- FOGELSANG, John**—Richland Co., Ohio. Early period of Ohio.
- FOGERTY REPEATING RIFLE CO.**—Boston, Mass., about 1867. Renamed American Rifle Co. prior to 1869, when it sold out to Winchester.
- FOGG, Gilman E.**—Manchester, N. H. Designed spade-shaped rear sight aperture. Sixteen-pound percussion match rifle; small under-hammer smoothbore.
- FOGLE, Heinrich**—Lancaster, Pa., 1857.
- FOHRER, Ludwig**—Pennsylvania, 1775-76. Musket maker to Committee of Safety.
- FOILKE, Adam**—Also Foulke. Lehigh District, Pa., 1773-94. In association with John Young, supplied the Council of Safety with 130 rifles in 1776. Same as Faulk, Adam, maker of Kentucky rifles? See Foulke, Adam.
- FOLGER, W. H.**—Barsville, Belmont Co., Ohio, 1834. Came from Winchester, Va. "Gunsmithing in the wintertime."
- FOLK, William**—Brian. Williams Co., Ohio, 1880-90. Operator of Folk's Gun Works.
- FOLK'S GUN WORKS**—Bryan, Ohio, before 1880-90 and after .22 cal. target rifles. Shotguns.
- FOLLECK, John**—Johnstown, N. Y., rifle makers, 1769-1775. One of four rifle makers induced by Sir William Johnson to come out and settle in New York State by grants of buildings and tools. By 1775 rifle making had become an enterprising industry with most of the settlers and Indians trading their smoothbores for rifled arms and New York was second only to Pennsylvania in their manufacture. By 1770 the population of Johnstown had grown to about five hundred people and the village comprized about one hundred dwellings, including stores, a gunsmith, a blacksmith shop, a carpenter's shop, two saw mills, a flour mill, a wagon shop, an Episcopal Church and a manor school.
- FOLLECT**—Or Follecht. Lancaster, Pa. Kentucky rifles, about 1770.
- FOLSOM, H. & CO.**—620-622 North Main St., St. Louis, Mo., mid-19th century. Gunsmith and sporting goods dealer; for a time in partnership with H. E. Dimick as Dimick & Folsom.
- FONCANNON, M. B.**—Columbus, Ohio, 1848. New Lexington, 1852-54.
- FONDERGRIFT**—Pennsylvania. Prior to 1783. Possibly same as John Vondergrift, Bucks County, Pa.
- FONDERSMITH, John and Son**—Lancaster, Pa., 1749, to about 1800.

Strasburg to about 1802. Made arms for the Pennsylvania troops during the Revolutionary War. Jan. 14, 1799, contracted with Commonwealth of Pennsylvania for 500 Charleville pattern, (Model 1795) muskets. On April 16, 1801, John Fondersmith, listed as of Strasburg, Pa., contracted for additional 500 muskets.

FONDERSMITH KENTUCKY TYPE—Marking on the barrel of a heavy percussion rifle with bullet starter and back-action lock.

FONDERSMITH, Ludwig and Valentine—Strasburg Twp., Lancaster Co., Pa., 1771-79. Also Fundersmith.

FONSHILL, John—Baltimore, Md., Union Street in 1816, North Street in 1819.

FOOT, A.—Master Armorer Springfield Armory, 1818.

FOOT, N.—Marking inside lock of Springfield musket dated 1810.

FORBES, Gilbert—New York, N. Y., 1767-75.

FORBES, Nathan—U. S. Inspector of Arms, 1799-1801.

FORD—Unlocated. Barrel marking of a flintlock Kentucky rifle marked "F. LEAMING, PHILA. WARRANTED" on lock.

FORD, D.—Abbeyville, Medina Co., Ohio, 1862-65.

FORD, J.—Virginia, flintlock Kentucky rifles.

FORD, P. J.—Torrington, Conn. Percussion rifle.

FORD, R. E. L.—Great Smokey Mountains, Tenn. Fullstocked, percussion, octagonal barrel "hog rifle" marked "Yellow Jacket Poison to Crossmarks, R.E.L. Ford, 1905."

FORDNEY, C.—Cumberland, Md., about 1800-1830; flintlock Kentucky rifles.

FORDNEY, I.—Unlocated, Kentucky rifles.

FORDNEY, Jacob—Lancaster, Pa., gunsmith whose shop had been located at corner of Orange and Prince Streets. Born 1808, died at the age of 70. The family was of French, Huguenot, descent, from the Swiss-French border area. The name originally was Fortenieux, then Forteneee and finally became Fordney. Listed in Lancaster Directory in 1857. Had contracted with the government Nov. 7, 1837, for 250 rifles for Indians at \$13.00 each.

FORDNEY, JAMES—Unlocated. Flintlock and percussion Kentucky rifles.

FORDNEY, Melchior—Lancaster, Pa., early 19th century. Taught Henry E. Leman (q.v.) 1828-1831. Fine silver-mounted, relief carved flintlock Kentucky rifles.

FORESTER—Bristol, R. I. Maker of a "mule ear" lock, muzzle-loading, percussion rifle.

FOREHAND ARMS CO.—Worcester, Mass., 1890-1900. Renamed from Forehand & Wadsworth. Makers of revolvers and sporting rifles. Sold out to Hopkins & Allen Mfg. Co., of Norwich, Conn. See Allen & Wheelock and Forehand & Wadsworth.

FOREHAND & WADSWORTH—Worcester, Mass., 1871-November, 1890. Sullivan Forehand and H. C. Wadsworth, sons-in-law of Ethan Allen of the old firm of Ethan Allen & Co., and Allen & Wheelock before that. Revolvers and sporting rifles. See Allen & Wheelock.

Sullivan Forehand was born in Croyden, N. H., Oct. 10, 1831. He became connected with Allen & Wheelock in 1860, and was admitted into the firm in 1865 as a partner. Mr. Forehand died in Worcester, June 7, 1898.

Henry C. Wadsworth came to Worcester at the age of 21, entered the employ of Ethan Allen, and married his daughter, Laurette. Had served nine months during the Civil War in Co. "C," 51st Massachusetts Volunteers and was discharged as Sergeant. With Forehand, was admitted to the firm as a partner in 1865. Upon retirement from business was appointed vice-consul at Santos, Brazil, where he died of yellow fever in March, 1892.

FORKER, J.—Mercer, Pa. Percussion plains rifle.

FORKER, William—Meadville, Pa., late percussion period.

FORKER, W. H.—Ohio. Maker of a percussion sporting rifle.

FORREST, Casper—Lancaster, Pa. 1857.

FORRKER, Samuel—Meadville, Crawford Co., Pa.; flintlock rifles. Father of Wm. Forker.

FORTNEY, Peter—Chillicothe, Ross Co., Ohio, 1804.

FORTUNE, Thomas L.—Mt. Pleasant, Kan.; 1850-60. Breech-loading shotgun.

FOSDICK, S. J.—Laporte, Laporte Co., Indiana. Half stock plains rifle with Hunter lock, L. Warfield & Co. barrel, and J. Fehr, Nazareth, Pa., triggers. Non-professional maker?

FOSTER, George—Unlocated. Late period flintlock and percussion Kentucky rifles.

FOSTER, George P.—Taunton, Mass., later Providence and Bristol, R. I. Made percussion Plains and Kentucky rifles for western trade, 1850-1855; made Klein's Patent (1849) bolt-action needle gun, aided development of Volcanic rifle, and made Porter turret rifles. Employed Horace Smith, D. B. Wesson, and C. D. Schubarth (q. v.)

Failed in 1855 and went to Providence, there assembled and sold Porter rifles; Schubarth continued business for the assignees. Foster later was associated with Burnside at Bristol, making Klein rifles and Burnside carbines (patented 1856). Lacking capital they moved to Providence, and made Burnside carbines 1856-1857. Foster manufactured Howard patent breech-loading carbines after 1865.

FOSTER, John—York Co., Pa. Kentucky rifles.

FOSTER, Joseph—Pennsylvania, 1766-76. Musket maker to Committee of Safety.

FOSTER, "White"—Columbia, Ohio, 1848-69. Limited production of rifles.

FOTE, J.—Unlocated. Flintlock Kentucky rifle.

FOTTRELL, Patrick—Musket maker at the Pennsylvania State Gun Factory, 1776-78.

FOULKE—Philadelphia, Pa. Marking on the lock of a Kentucky type flintlock pistol by J. Sees. "FOULKE PHILADELPHIA." May be Adam Foulke.

FOULKE, Adam—Also Foilke. Lehigh District, Pa., 1773-94. In association with John Young, supplied the Council of Safety with 130 rifles in April, 1776. Located variously at Easton, Allentown and Philadelphia. May be the same as Faulk, Adam, maker of Kentucky rifles about 1775.

FOULKS, Wm.—Pennsylvania; Kentucky rifle maker and scholar.

FOWLER, J. S.—Unlocated. Plain, half-stock percussion rifle.

- FOWLER, L. Jr.**—Unlocated. Conn. 1835-1838. Percussion pistols made in Connecticut State Prison.
- FOWLER, STACY**—Philadelphia, Pa. Listed at St. John, near Poplar in 1829.
- FOX, B. & CO.**—Lancaster, Pa. Over-under percussion rifle-shotgun.
- FOX, H.**—Frewsburg, N. Y. Percussion rifles.
- FOX, H. A.**—69 Jackson St., San Francisco, Calif., 1858, (with P. B. Comins?), 112 Washington St., 1859-60, (with Bogart Bros.?).
- FOX, Horace**—Hydetown, Pa.; also Corry and Fredensburg, Pa. A. 3-barrel revolving percussion arm.
- FOX, R.**—Corry, Penna., making Kentucky rifles in 1837. Fine percussion target rifle.
- F. & P.**—New Haven, (?) 1818. Musket makers. Believed to have assembled arms, using in part at least, units manufactured for them or purchased from others. Musket examined is of 1812 type with Whitney Model 1812 lock bearing the typical Whitney marking of "NEW HAVEN" within a ribbon scroll between hammer and frizzen spring. Other markings are "F. & P.," above the ribbon scroll and "US" and "1818" behind the hammer.
- FRAILEY, Andrew J.**—Lancaster, Pa., 1857.
- FRAIZER, A.**—Pennsylvania riflesmith, late 18th and early 19th century; believed to have spent the latter part of his life in Ohio. Fine Kentucky flintlock rifles.
- FRANCE, J. A.**—Cobbleskill, N. Y., percussion period.
- FRANCK**—Lancaster, Pa., Kentucky rifles about 1775.
- FRANK, I.**—Unlocated. Marking on No. Penna. percussion Kentucky rifle.
- FRAVEL, J.**—Unlocated. Percussion rifle.
- FRAZIER & COLBY**—St. Peter, Nicolett Co., Minn., 1864-65.
- FRAZIER, Henry**—Gunsmith. Bronx Township, Knox Co., Ohio, 1840-50.
- FRAZIER, John**—Gunsmith and licensed Indian trader of Scotch birth. A former resident of Lancaster County in 1750, he settled at Venango (now Franklin), Venango Co., Pa. In the spring of 1753, he warned the traders of the French invasion and moved to the mouth of Turtle Creek at its confluence with the Monongahela. The Braddock massacre was within sight of his house.
- FREDERICK, John**—Gouglarsville, Pa., 1859-1879.
- FREDERICKSBURG ARMORY**—See Virginia Public Gun Factory.
- FREDERICKTOWN MANUFACTORY**—Maryland. Also The Gun Lock Manufactory in Frederick Town. Believed to have been established as a gun lock factory late in 1775 or early in 1776. Reported to have been able to turn out rough gun lock forgings faster than it could put the finish on them. John Yost, musket and rifle contractor to Committee of Safety asked the Committee for authority to purchase from the Manufactory 300 rough locks to be finished in his own shops.
- FREDRIC, F. or J.**—Pennsylvania; Kentucky rifles.
- FREEMAN, Austin H.**—Patentee of percussion revolvers made at Hoard's Armory, Watertown, N. Y.
- FREEMAN, Robert**—Sequatchie Valley, Tenn. 20th century mountain gunsmith; expert gunstocker.
- FREEMAN, W. C.**—Worcester, Mass., maker of Joslyn patent per-

cussion revolvers marked "B. F. JOSLYN, WORCESTER, MASS."
See Joslyn Fire Arms Co.

- FRENCH, BLAKE & KINSLEY**—Thomas French, . . . Blake and Adam Kinsley, musket makers. Contractors of Oct. 20, 1808, for 4,000 Model 1808 muskets. Duration five years. Of these 2,175 were reported delivered by Oct. 7, 1812.
- FRENCH, THOMAS**—Canton, Mass., 1778-1825. Musket and pistol maker. In association with . . . Blake and Adam Kinsley contracted for 4,000 muskets Model 1808 on Oct. 20, 1808. See French, Blake & Kinsley. Born 1778, died 1862.
- FRESH, J.**—Altoona region, Pa. Curly maple, full stock, percussion rifle.
- FREUND, Frank W.**—Jersey City, N. J., about 1880; later Cheyenne, Wyo., Denver and Durango, Colo., and (?) Casper, Wyo. Inventor of hammerless breech-loading sporting rifle with dummy hammer; remodeled Sharps rifles with patent breechlock.
- FREUND, George C.**—Flintlock rifle with lock on left side and wood patch box.
- FRIAR NEWLIN & CO.**—Unlocated. Full stock smoothbore Kentucky rifle.
- FRICKEY, Samuel**—Charlotte St., New York, N. Y. 1801.
- FRIE, Wm. H. & Son**—Bellvue, Iowa, 1870-1923.
- FRISH, A. D.**—Unlocated. Rifle maker. (or Frist?)
- FRONG, E. M. & TAYLOR**—Cincinnati, Ohio. Breech-loading rifle with barrel turning left to load.
- FROCK, J.**—Pennsylvania. Fine, highly decorated Kentucky rifles.
- FROST, Gideon**—Committee of Safety musket maker of Massachusetts, 1775-76. Employed eight hands in 1775.
- FRY, Francis**—Doniphan County, Kan., 1855.
- FRY, George**—Hopewell Township, Bedford Co., Pa., 1840.
- FRY, John**—Washington Furnace, Westmoreland Co., Pa. Rendered bills in 1853 for repairing guns and for a "smoth rifle" at \$12.00. Same as John Fry of Ligonier?
- FRY, John**—Ligonier, Westmoreland Co., Pa., gunsmith. Born in 1820, east of Ligonier. Worked with his brother Joseph in Ligonier in rear of 301 E. Main Street. Later (about 1868-70) moved to Johnstown, Pa., where he worked at gunsmithing for several years, started pulling teeth and making dental instruments and eventually became a dentist. Preferred to make full-stock rifles, 7-groove, bar action locks. Made his own locks, triggers and mountings. Marked his rifles "J. FRY" in script on top of barrel. Died before the Johnstown flood of 1889.
- FRY, Joseph**—Ligonier, Westmoreland Co., Pa. Brother of John Fry. Worked with his brother in rear of 301 E. Main St., sharing equipment. Preferred to make half stocked rifles rifled with 8 grooves. Made his own locks and mountings. Bought English smooth bored barrel blanks from J. H. Johnston in Pittsburgh, at \$3.00 each. Signed his barrels "JOS FRY" first in script, later in block letters. Eventually purchased a farm on hillside bordering Ligonier and moved his equipment there, into building he had erected. Born 1825, died in the spring of 1891.
- FRY, Edward**—Son of Joseph Fry born about 1870. Born July 16, 1869. Still living on his father's farm. Does some gun work using his father's equipment.

- FRY, M.**—Probably Pennsylvania and believed related to John and Joseph Fry. Early flintlock rifle with bayonet stud. Also marked inside a "LEATHER & CO," "CP" Penna contract of 1798, musket lock. Also marking on M.1808 contract pistol, "M.FRY."
- FRYE, Martin**—Contractor with Tench Coxe, Purveyor of Public Supplies for 54 horsemens pistols, 2nd quarter 1809. Probably identical with M.FRY.
- FULCHER, G. G.**—Unlocated. Kentucky rifle.
- FULERTON, F. W.**—St. Paul, Minn. 1920. .22 cal. Target pistol.
- FUNDERSMITH, Ludwig and Valentine**—Strasburg Township, Lancaster Co., Pa., 1771-79. Also Fondersmith.
- FUNK, Jacob**—Muskigum Co., Ohio, prior to 1812. Armorer, sword-smith.
- FUNK, M.**—Cove, Pa. Over-under percussion rifle.
- FURNEY, William**—Mahoning Co., Ohio, 1815. Repaired arms.

G

- G. A.**—Unidentified. Late flintlock period.
- GABLE, H.**—Unlocated. Early percussion Kentucky rifles. Probably Henry Gable.
- GABLE, Henry**—Williamsport, Pa. Flintlock and early percussion rifles. Later Henry Gable and Son.
- GABLE, Henry and Son**—Williamsport, Pa., 19th Century. Percussion Kentucky rifles.
- GABNECHT**—Unlocated. Kentucky rifles.
- GAFFORD, John**—Cumberland Row, Baltimore, Md., 1816.
- GAGE, J. E.**—Ontario, Wayne Co., N. Y., and Concord, N. H. Born Feb. 18, 1850, died 1924. Learned gunsmithing under Wm. Billingshurst at Rochester; made buggy rifles, etc. Located 1900-1924 in Concord.
- GALBRAITH, JAMES & CO.**—Phila., Pa., 1792. Bill for 24 pairs of pistols.
- GALBREATH, J. H.**—Lancaster Co., Pa., 1840-1860. Percussion Kentucky rifle.
- GALENBECK, J.**—Lebanon, Pa. Kentucky rifles.
- GALL, G.**—Unlocated. About 1780 Kentucky rifles.
- GALL, John**—Lancaster, Pa., 1857.
- GALLAHER, JOHN, S. & CO.**—Gunmakers, 1861.
- GALLATIN, Albert**—Fayette County. Contracted with the Commonwealth of Pennsylvania, Feb. 5, 1799, for 2,000 Charleville pattern, (Model 1795) muskets. The Gallatin factory in Nicholson Township was quite extensive for that time, employing from 50 to 100 men and making swords as well as muskets. With Gallatin was associated Melchior Baker.
- GALYON**—Sevier Co., Tenn. Made guns carried by the few Confederates from Sevier County, "and every gun made by him bears his name."
- GANDER, Peter**—Lancaster, Pa., before and after 1782.
- GARCIA, A. D. E.**—Gunsmith, State Arsenal, New Orleans, La., 1853.
- GARDNER, C.**—Lima, Allen Co., Ohio, 1855-61.

- GARDNER, Charles L.**—Rochester, N. Y. Percussion rifles.
- GARDNER, G.**—Geneva, N. Y. Flintlock Kentucky rifles of New England-New York style.
- GARDNER, G.**—Lima, Ohio, 1855-61.
- GARDNER, John**—Columbus, Ohio. Active 1866-88. Died 1892.
- GARDNER, J. N.**—Scranton, Pa., percussion period.
- GARDNER, M. H.**—Indiana. Reported maker of 17 pound, walnut half-stock, percussion bench rifle with Pfeiffer barrel and Leman lock.
- GARDNER, W.**—Geneva, N. Y. Maker of a full stock, Kentucky type, "mule ear," engraved lock rifle.
- GARRET, Herman**—Boston, Mass., 1650.
- GASPARD**—Lancaster, Pa., about 1775. Kentucky rifles.
- GAULT, M. & BRO.**—Washington, D. C. Makers of percussion deringers.
- GAUMER, Jacob**—Saleto Township, Muskegon Co., Ohio, 1811-1823.
- GAUNY, Nicholas**—Gunsmith. 174 So. Second, Phila., Pa., 1819.
- GAUYLER, George**—Unlocated. Early flintlock Kentucky rifle.
- GAY, Calvin**—Forged breech pins, Springfield Armory, 1818.
- G. B.**—Unidentified. Percussion Kentucky rifle.
- G. C. B.**—Unidentified. Script marking of a circa 1820 Penna. type Kentucky rifle.
- G. D. & CO.**—Cincinnati, Ohio. Percussion rifle locks.
- GEARSON, Joseph**—Philadelphia, Pa. listed as gun lock filer at 85 Dillwyn, in 1829.
- GEDDY, James**—Williamsburg, Va., Colonial period. Died 1744.
- GEHRETT, J. F.**—Huntingdon County, Pa., late percussion period. Kentucky rifles.
- GEHRETT, J. W.**—Unlocated. Double barreled, swivel-breech, curly maple stock percussion rifle.
- GEHRETT, Jacob**—Orbisonia, Pa.; Kentucky rifles. Family later operated in West Virginia.
- GEHRETT, James**—Huntington, Pa., about 1810; flintlock Kentucky rifles.
- GEIGER, V.**—Towanda, Pa., late flintlock period.
- GEMMEL, G. W.**—Troy, N. Y., percussion period. Probably identical with G. Gemmill.
- GEMMER, John P.**—St. Louis, Mo., rifle maker. Purchased and operated the Hawken gun shop from 1862 until 1915, when the old establishment closed its doors. Mr. Gemmer was born in the village of Lolschied, Grand Duchy of Nassau, Germany, June 21, 1838, and came to the United States with his father in 1855. They landed in New Orleans, and travelled up the Mississippi, locating at Booneville, Mo., where they remained four years, during which time John Gemmer learned the gunsmith trade. In 1860, after a year in the gun shop of Emanuel Kleinhenn, Gemmer entered the employ of the Hawken shop, which was then under management of William Watt, in the absence of Samuel Hawken. In 1862, after some service in the Ordnance Department as armorer with grade of corporal, at the St. Louis Arsenal, Gemmer bought out the Hawken establishment on Washington

Avenue, where for a time he continued to make rifles of the Hawken type, stamped with the Hawken name. His later arms were marked Gemmer. A number of his rifles may be seen in the Jefferson Memorial, Forest Park, St. Louis, in custody of the Missouri Historical Society.

In 1870 the (Hawken-) Gemmer shop moved from Washington Avenue, to 600 N. 3rd St.; in 1876 was moved again to 704 N. 3rd St.; moved again in 1880 to 700 N. 3rd, and in 1912 was found at 817 8th St., where it remained until Mr. Gemmer closed his business in 1915. John P. Gemmer died in 1919, and is buried at the Bellefontaine Cemetery.

GEMMILL, George—Troy, N. Y., percussion period.

GEORG, I.—Unlocated. Flintlock Kentucky rifle dated 1809. Same as George, Jacob? Letters I and J. were interchanged rather freely at that period.

GEORG, Jacob—(Towanda) Pa. Flintlock Kentucky rifles marked I. Georg, dated 1809, and J. Georg, dated 1826.

GEORGE, J.—Flintlock Kentucky rifle dated 1809. Probably identical with Georg I. and Georg Jacob.

GEORGE, J. S.—Monterey, Pa., 1832. Dated percussion rifle.

GEORGIA ARMORY—Milledgeville, Ga. Confederate shoulder arms plant located in the old Penitentiary Buildings, of Milledgeville, the former state capital, on grounds now occupied by the Georgia Normal and Industrial College. The armory was established by Act of Dec. 12, 1861, with funds raised by sale of 8% bonds, and was operated by Peter Jones, former employee at Harpers Ferry Armory. The first rifle made was presented to the Governor in August, 1862, and production was from 150 to 300 rifles per month until November, 1864, when the plant was burned by Sherman.

GERHART, Daniel—Reading, Berks Co., Pa., before and after 1873. Ex-employee of Nelson Delaney until about 1872. Established own business in 1873. Active to 1898 and later.

GERMAN, Christian—Washington and Mohawk Streets, Buffalo, N. Y. 1836-38. Riflemaker.

GERRISH, John—Boston, Mass., 1709.

GERTEIS, L. G.—520 Poydias St., New Orleans, La. 1912. Curly maple stock percussion rifles.

GERY & BROS.—Philadelphia, Pa., lock makers for flintlock arms.

GETTIG, H.—Williamsport, Pa. Kentucky flintlock rifles.

GETZ—Philadelphia, Pa. Associated with George W. Tryon, to whom he was apprenticed and whose partner he became in 1811.

GETZ, John—Lancaster Borough, Lancaster Co., Pa., 1773-82.

GETZ, Peter—Lancaster, Pa., 1799-1805. Had been inspector of small arms for the Commonwealth of Pennsylvania on contract to Abraham Henry and John Graeff, for 2,000 muskets, of April 11, 1798. Later was Inspector of Arms, from 1800 to 1806 on contracts of Jacob Lether and Conrad Welshance of York, and of Jacob Fondersmith of Strasburg.

Peter Getz also acted as inspector of rifles made on government contracts about 1803-07 with Tench Coxe, Purveyor of Public Supplies.

G. F.—Initials of George Flegel, Master Armorer U.S. Arsenal, 1815; U.S. Inspector of Contract Arms, 1823 at plant of Asa Waters.

Probably the "GF" inspector of arms at the Henry Deringer plant in 1814.

G. F.—Unidentified. Percussion Kentucky rifles.

G. G.—Unidentified. Long, early Kentucky type flintlock smoothbore, Ashmore lock.

GHRISKEY, Lewis—Philadelphia, Pa., rifle maker, before and after 1815. Contractor of July 31, 1815, for 100 rifles at \$17.00 to be delivered within one year. Listed as gun and blacksmith at 361 No. Front St., Phila., Pa., 1819.

GIBBINS, Jos.—Brownsville, Fayette Co., Pa. Maker of a fine, German silver mounted, half stock, Kentucky style, percussion rifle of exceptionally good workmanship and engraving, with G. Goulcher lock. Probably the same as Joseph Gibbons.

GIBBONS, Joseph—See Gibbons, Jos., above.

GIBBONS, Thomas—St. Louis, Mo., 1859-1865; listed in directories as gun maker and locksmith. "T. GIBBONS" stamped inside the lock and on the trigger guard (integral with trigger plate) of an S. Hawken Plains rifle.

GIBBS, Abraham—Lancaster, Pa., 1857.

GIBBS G.—Bristol, Conn., percussion period.

GIBBS, Henry—Lancaster, Pa., 1824; listed in 1857 directory and at W. Vine St. in 1869-70; died 1880. Fine late flintlock Kentucky rifles, one with German silver mountings by Tryon of Philadelphia and barrel by Werter; also percussion rifles.

GIBBS, John—Lancaster, Fairfield Co., Ohio, 1820's.

GIBBS, John—Honedale, Pa., 1824.

GIBBS, TIFFANY & CO.—Sturbridge, Mass., about 1820-50. Makers of under-hammer percussion pistols.

GIBSON, Stephen—Knoxville, Tenn., 1812-1860. Flintlock and percussion Kentucky rifles.

GIBSON, Stephen—Tennessee mountain, flintlock rifle maker of Revolutionary War period. Fought at Kings Mountain and lived to be 107 years old.

GIBSON, Wiley—Tennessee mountain, percussion rifle maker, mostly of "hog rifles." Last of three generations of mountain gunsmiths, William, the father, and Stephen, the grandfather, above. In 1946, at the age of 80, though no longer active, occasionally still worked at the anvil.

GIBSON, William—Son of Stephen Gibson. Great Smokey Mountain, Tenn., rifle maker. "Took about four months in making a rifle to be sold at court week at county seat, to help pay taxes." Half-stock, percussion, octagonal barrel "hog rifle" marked in script.

GIDDINGS—Louisa County, Va., about 1790. Musket maker.

GIFFORD, Joseph—70 Market St., Baltimore, Md., 1819.

GILBERT & BALES—Penn Yan, N. Y. Percussion period.

GILBERT, Daniel—North Brookfield, Mass., musket maker, born 1729, died 1824, at the age of 96. During the Revolutionary War commanded a company which saw service at Bennington and Half Moon, July 13 to Sept. 2, 1777. In about 1782, established a forge and iron works on Five Mile River, Brookfield. Gilbert was a contractor under Act of July 5, 1798, for 2,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 875

are known to have been delivered by June 10, 1801. On Oct. 13, 1808, he contracted for 5,000 muskets for delivery within five years and 875 were reported delivered by Oct. 7, 1812.

GILBERT, E.—Rochester, N. Y.

GILBERT, S.—Rochester, N. Y. Maker of a full stock, "mule ear," pill lock, muzzle loading rifle, with side of barrel, at lock, equipped with a small cup to hold a fulminate pill. German silver furniture.

GILBERT, W.—Rochester, N. Y., 1837. Mule-ear hammer, Kentucky style pill-lock rifle.

GILES, RICHARDS & CO.—Boston, Mass., flintlock period.

GILL, B. D.—Pennsylvania; late flintlock and early percussion Kentucky rifles. Heavy flintlock rifle stamped D. B. Gill with crossed arrow and tomahawk, given by Kit Carson to a Taos Indian in 1848.

GILL, John—Newburne, North Carolina, 1829, revolver?

GILL, T. D.—Lancaster Co., Pa., about 1830-1840. Late flintlock and early percussion Kentucky rifles.

GILL, Warren—Unlocated. Possibly Whitneyville, Conn. Undehammer percussion rifle marked "W.G. 1846."

GILLEN, William—Jackson, Ohio. Active before and after 1842. Rifle maker.

GILLESPIE—New York. Double-barrel, percussion shotguns. Percussion derringers.

GILLESPIE, Mathew—North Carolina, period of 1825. Plain but beautifully made flintlock Kentucky rifle. Three generations were gunsmiths.

GILMER GUN FACTORY—See Alabama Arms Manufacturing Co.

GILMER, Martin—Fayette Co., Ohio. Born in Virginia 1827; moved to Fayette Co., with three brothers when a young man and established a blacksmith and gunsmith shop. Made half- and fullstock rifles, mostly 10 to 12-lbs. with 36" barrels; one over-under rifle-shotgun. A good workman. Made his last rifle when 70, retired 1898, died 1905.

GILMER, William B.—See Alabama Arms Manufacturing Co.

GILMORE, Henry—Connelsville, Fayette Co., Pa. Percussion period. Related to Howard Gilmore. Signed his arms with his initials "H.G." in script.

GILMORE, Howard—Dickerson Run, Fayette Co., Penna. Maker of hunting rifles of good workmanship, with curly maple stocks oval patch boxes. Barrels of own make stamped with his name on top; mostly Leman locks. Born about 1900 and "still works some at the trade."

GINERICH, Henry—Lancaster, Pa., 1775-77. Musket maker to Committee of Safety. Excused by the Executive Council Dec. 5, 1777, from military duties for the making of arms for the State of Pennsylvania, in the employ and under direction of William Henry I.

GINGER, L.—Unlocated. Flintlock Kentucky rifle.

GIRSCH, Joseph—Philadelphia, Pa. Listed as gunsmith at rear of 137 Green St., in 1829.

G. J.—Unidentified. Kentucky rifle.

- GJULCHER, G.**—Defective die of G. Goulcher, lock maker. The "O" is deformed to resemble "J." Note there is no period after initial "G" of "G GJULCHER"; no serif on stamped "J." See Goulcher, George.
- GLASS, Daniel**—Wyomissing Creek, Pa. Built two gun shops in 1848, using the creek water power to bore and grind barrels. Sold his shops to Gouglar and Haberling about 1858.
- GLASS, John**—Putnam, Muskigum Co., Ohio. War of 1812.
- GLASS, Peter**—Ohio. No details.
- GLASS, Samuel**—Putnam, Muskigum Co., Ohio. Made rifles in War of 1812.
- GLASSBRENNER, D.**—Inlaid flintlock Kentucky rifle. Lock by Carter Tomlinson.
- GLASSBRENNER, G.**—Pennsylvania. Flintlock Kentucky rifles, circa 1820; one marked No. 207.
- GLASSBRENNER, H.**—Unlocated.
- GLASSICK & CO.**—Memphis, Tenn. Percussion derringers. Later Schneider & Glassick.
- GLATT, N.**—Pennsylvania, about 1850. Walnut half-stock, octagon barrel, double set triggers percussion match rifle.
- GLAYSMAN, D.**—Unlocated. Rifle maker.
- GLAZE**—New Cumberland, Pa. Kentucky rifles.
- GLAZE, WILLIAM & CO.**—Operators of the "Palmetto Armory" at Columbia, S. C. Made Model 1842 percussion pistols in 1852, and muskets and swords for the State of South Carolina, with machinery purchased from the Waters Armory of Millbury, Mass. During the Civil War the firm made cannon, mine rifle balls and 18 pdr. shells for the Confederacy. Probabilities are that flintlock muskets were converted to percussion between 1861 and 1865, but it is not believed that new arms were manufactured. The Palmetto Armory was burned by Sherman in 1865. Glaze's associate in the firm was Mr. Boatwright. In 1870, Mr. Glaze, at one time a jeweler, advertised his return to the jewelry business.
- GLAZIER, John**—Belleville, Indiana. Flintlock Kentucky rifles.
- GLUYAS, T.**—Charlotte, N. C. Heavy, octagonal barrel early percussion rifle.
- GOBRECHT, S.**—Unlocated. Marking on barrel of a circa 1800, flintlock Kentucky rifle.
- GODFREY & WELSH**—Albany, N. Y. Made very fine shotguns. One specimen in existence today in a very heavy 4-gauge single barrel gun showing fine craftsmanship throughout. Percussion period.
- GOETZ, Frederick**—Also Getz. Philadelphia, Pa. Listed as gunsmith in the City Directory at 225 N. Second in 1805, 237 N. Second in 1806-07, and on Sassafras Alley, 1809-11. In 1813-14-17, he is shown at 163 N. Second and 32 Sassafras Alley. Fred Goetz is also listed as gun maker at the Pennsylvania Arsenal, Juniper near High Street, in the directories 1816 to 1820. Was associated with George W. Tryon in 1811, Tryon having served his apprenticeship under Goetz, and then becoming his partner. See Tryon, Geo. W. Probabilities are that he is the Goetz of Goetz & Westphall.
- GOETZ & TRYON**—Philadelphia, Pa., 1811. Frederick Goetz and

George W. Tryon. See Goetz, Frederick above, and Tryon, George W.

GOETZ & WESTPHALL—Pennsylvania musket makers. Charles W. Westphall and Frederick Goetz. Contractors of July 13, 1808, for 2,500 Model 1808 muskets, to be delivered within five years. Of these 1,019 were recorded delivered by Oct. 7, 1812.

GODWIN, Thomas—Portsmouth, Va., 1861. "A revolver which fires 9 times, each barrel discharging separately at intervals . . . A bowie knife is also attached, which may be unshipped or retained in service, at pleasure."

G. O. & CO.—Cincinnati, Ohio; percussion Indian rifles.

GOLBER, H.—Unlocated. Marking on over-under percussion rifle.

GOLCHER & BUTLER—Philadelphia, Pa. Back-action percussion lock with brass plate, on Plains rifle owned by Kit Carson.

GOLCHER & CO.—Third Street, St. Paul, Minn., 1857-58.

GOLCHER, George—Also often Goulcher. New York, N. Y. Late flint and percussion periods. See Goulcher, George.

GOLCHER, James—Philadelphia, Pa., died in 1805. See James Goulcher.

GOLCHER, James—Philadelphia, Pa., before and after 1833. A 20½-inch percussion pistol.

GOLCHER, John—New York, N. Y., percussion period.

GOLCHER, John—Easton, Pa., 1775. Same as Goulcher, John?

GOLCHER, Joseph—Also Goulcher, Philadelphia, Pa., later Pacific Coast. Late flint, early percussion periods.

GOLCHER, Manuel—Also Goulcher. Philadelphia, Pa., 1824.

GOLCHER, William—St. Paul, Minn., 1854 to about 1870. Maker of muzzle and breech-loading rifles and shotguns. See also Golcher & Co., and Golcher & Simpson, with which firms William Golcher was associated.

GOLCHER & SIMPSON—St. Paul, Minn., 1855-56.

GOMPFF, A.—Lancaster, Pa., 1869-70.

GOMPFF, James—Lancaster, Pa., before and after 1830.

GONTER, Peter—Lancaster, Pa., 1770-78. Possibly as early as 1750.

GONTER, Peter, Jr.—North Queen St., Lancaster, Pa.; son of Peter Gonter. Arms maker. Petitioner to 7th Congress on Jan. 28, 1803, for non-removal of import duties on arms. Died in 1818.

In 1792, Peter Gonter in association with Jacob Dickert and John Groff contracted for "rifle guns," \$3,200 being paid on account. On Dec. 9, 1807, Gonter in association with Jacob Dickert and Henry DeHuff contracted with Tench Coxe, Purveyor of Public Supplies, for 600 rifles.

GOOD, P.—Pennsylvania, 19th century. Kentucky rifles, German silver mountings as specialty.

GOODELL, J.—Olean, N. Y. Halfstock percussion rifle and over-under percussion rifle-shotgun. Perhaps related to Layton B. Goodell of Edinboro, Erie Co., Pa., and Albert B. Goodsell of Coudersport, Potter Co., Pa.

GOODELL, Layton B.—Edinboro, Erie Co., Pa. Early percussion period riflesmith.

GOODLING, P.—Unlocated. Early percussion Kentucky rifles.

- GOODRICH, W. W.**—Of the firm Hyde & Goodrich, 15 Chartres, New Orleans, La.
- GOODSELL, Albert B.**—Coudersport, Potter Co., Pa. Advertised July 17th, 1847; "Terms: half cash, balance in grain, staples, lumber, furs or hides."
- GOODWIN, G.**—Unlocated. Late flintlock, double-barreled shotguns.
- GOODWIN, Jonathan**—Lebanon, Conn., musket maker to Committee of Safety. Made 30 muskets; recorded April 13, 1778.
- GOODWIN, J. P.**—Waterbury, Conn. Half stock, percussion match rifle.
- GOOSLEY, Ephraim**—Yorktown, Va., 1738.
- GORDAN, T.**—Or Gordan, J. Unidentified. About 1840-44.
- GORDON, Steven**—Clinton, Iowa.
- GORGAS, Josiah**—Brig. General, Chief of Ordnance to the Confederate States. Born in Dauphin Co., Pa., July 1, 1818. Graduated from U. S. Military Academy in Class of 1841; assigned to Ordnance Dept. Served in Mexican War. Married a Southern girl while stationed in Alabama. Resigned April 1861 to become Chief of Ordnance to the Confederacy. After the War became superintendent of Briarfield iron works in Alabama. In 1877 was president of University of Alabama. Died May 15, 1883.
- GORNING, Raymond P., M.D.**—Detroit, Mich. Modern maker of percussion rifles; designed improved underhammer lock.
- GORRAGE, Thomas**—Mt. Pleasant, Jefferson Co., Ohio.
- GORSAGE, Thomas**—Mt. Pleasant, Ohio.
- GORSUCH, J. M.**—Mt. Pleasant, Ohio. Silver inlaid half stock, percussion rifle. (Related to Thomas Gorsage?)
- GOUCHER, Thomas**—Also Gouger. Market Street, Philadelphia, Pa. Musket barrel maker to Committee of Safety in 1776. Specialized in boring and grinding barrels. Imported muskets in 1780. Had been associated with Wylie in cutlery business in 1774.
- GOUGLAR & HEBERLIG**—Mohnton, Pa., about three miles southwest from Reading, on Wyomissing Creek. Late flintlock period.
- GOUGLER, John**—Made finished rifle barrels on Wyomissing Creek, between Gouglerstown and Mohn's Store, Berks Co., Pa. Possibly the "Gouglar" of Gouglar & Heberlig of Mohnton, Pa.?
- GOULCHER, George**—Also often Golcher. New York, N. Y. Late flint and percussion periods. Very prolific maker. A late Kentucky, flint, rifle lock with reinforced hammer, roller frizzen-spring bearing and Manton-type waterproof pan, marked "G. GOULCHER" in a scroll. Original percussion G. Goulcher lock on a rifle with barrel marked in Gothic letters "J. FORDNEY LANCASTER, PA."
- GOULCHER, James**—Also Golcher. Philadelphia, Pa., died in 1805. A flintlock Kentucky rifle with maker's name on lock and barrel; another with incised carving and 10 silver inlays, marked "JAS. GOLCHER" on barrel.
- GOULCHER, John**—Easton, Pa., active before and after 1772-77. At one time employed in Philadelphia making gun barrels.
- GOULCHER, Joseph**—Pennsylvania, 1841. Same as Golcher, Joseph?
- GOULD**—Clinton, Pa. Rifle maker.
- GOVE, A. T.**—1871. Small halfstock percussion rifle, German silver

mounted, lock by N. D. E. & Co., Memphis. Possibly same as Albert "Put" Gove, Lincoln, Vt.

GOVE, Carlos—Born April 19, 1817 in Wentworth, N. H. Enlisted at 16 in First U. S. Cavalry, serving through the Seminole Wars and in the West; an Indian agent for many years. Apprenticed to Hawken at St. Louis; in business there 1847-1854, then at Council Bluffs, Iowa, until 1858; also located in Cheyenne, Wyo., and Ogden, Utah. At Denver, Colo., 1861 until retirement in the 1880's. Employed Geo. C. Schoyen after about 1862. In partnership with John P. Lower as C. Gove & Co., 21 Edmond St., Denver, 1876-77; died in Denver, July, 1900. Made heavy match and bench rifles, telescope sight, also double-barreled mule-ear rifles. A noted match shooter.

GOVE, C. & CO.—Carlos Gove, Council Bluffs, Iowa, 1854-58. 21 Edmond St., Denver, Colo., 1874-77.

GRAFF, H. C.—Unlocated. Kentucky flintlock rifle, wrist checkered in basket weave.

GRAEFF, John—Lancaster, Pa., musket maker. Associated with Abraham Henry in a contract of April 11, 1798, with the Commonwealth of Pennsylvania for 2,000 Charleville pattern, (Model 1795), muskets. One of the petitioners to 7th Congress on Jan. 28, 1803, for non-removal of import duties on arms.

GRAEFF, William—Lancaster, Pa., 1751.

GRAEFF, William—Reading, Pa., 1867-84. Kentucky rifles.

GRAFF, Thomas—Musket maker associated with Nicholas White and Christopher Barnhizle in a contract under Act of July 5, 1798, for 1,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand with 235 known delivered by June 10, 1801.

GRAH, William & Son—Toledo, Ohio, 1877-83.

GRAHAM, J.—Pennsylvania; Kentucky rifles.

GRAINGER, John—Toronto, Ontario, Canada. Percussion rifles.

GRANDSTADTT, J. (also Granstatt or Grandstatt)—Unlocated. Skilled maker of highly decorated flintlock Kentucky rifles.

GRANT HAMMOND MANUFACTURING CORPORATION—New Haven, Conn., 1915, Manufacturers of an auto-pistol.

GRANT, John—St. Patrick's Row, Baltimore, Md., 1810.

GRANT, Samuel—Walpole, N. H. Musket maker 1799-1801. Associated with Amasa Allen and Joseph Bernard in a contract under Act of July 5, 1798, for 1,500 Charleville pattern, (Model 1795), muskets at \$13.40 per stand and of these 1,396 were delivered by June 10, 1801.

GRANT, W. L.—Makers of W. L. Grant 6-shot rim-fire revolver.

GRATIOT MFG. CO.—St. Louis, Mo., about 1860. Makers of a .44 caliber percussion revolver.

GRAVE, John—Lancaster Borough, Lancaster Co., Pa., 1773.

GRAVES, J.—Bangor, Maine. Underhammer percussion rifle.

GRAY, G. B.—Mt. Vernon, Ohio, 1867-70.

GRAY, Sam—Ornate, German silver mounted, full walnut stock, percussion target rifle equipped with cap and patch boxes.

GRAY, W.—Unlocated. Reported maker of a small, maple half stock, percussion ladies' rifle, inlaid in silver animal designs.

GRAYSON—Unidentified. Heavy 18th century flintlock Kentucky rifle, so marked on lock and barrel.

GREAT WESTERN GUN WORKS—Pittsburgh, Pa., 1866-1916. Makers of 5-shot, rim-fire, cartridge revolvers and sporting guns. Founded in 1866, by James H. Johnston at Penn and Wayne Streets, Pittsburgh. The plant burned down in 1868 and was reopened at 179 Smithfield St. In 1874 the plant was moved into a 4-story building at 285 Liberty Street. Though 25 workmen were employed, some of the finer stock was imported from Europe. The following from "Manufacturers of Pennsylvania, 1875":

"Great Western Gun Works, Pittsburgh. This important industry of western Penna. was founded by James H. Johnston, in 1866, in a small building at the corner of Penn and Wayne Streets, Pittsburgh. The founder being a practical gunmaker and possessing natural business qualifications, his venture proved a success from the start. Two years later, in 1868, his little establishment was destroyed by fire, and the proprietors lost almost everything, having little or no insurance. However, with that energy born of a determination to make his way in the world, he recommenced operations at 179 Smithfield st. and soon recovered from the shock. Here business so prospered with him that he was compelled to seek more commodious quarters, and he moved his manufactory to the 4-story building at 285 Liberty street in 1874. To give an idea of the rapid growth of the Great Western Gun Works, it may be stated that the first years business, in 1866, amounted to only \$2500 in value; in 1874, it reached over \$150,000. The proprietor finds his chief difficulty in obtaining skilled labor, and for this reason is compelled to have some of his finer stock manufactured in Europe.

He employs on an average of 25 men, all skilled workmen, and obtained after careful selection. He attributes his success to his practical knowledge of gunmaking and strick attention to the wants of the trade, especially in sporting firearms, for which class of goods he has a constant demand in every State and Territory of the Union. This establishment is devoted exclusively to the manufacture and sale of firearms, and the proprietor gives his undivided attention to the business. He is the largest manufacturer and dealer in his line in the state west of the Alleghanies."

GREEN—Red Clay, Ga. Making flintlock Kentucky rifles about 1800.

GREEN, Charles—Rochester, N. Y., 1876-78.

GREEN, Elisha—Great Smokey Mountains area. Heavy octagonal barrelled "hog rifle," percussion period. Name found on barrel along with the markings "EUR JA KI."

GREEN, James Capt.—Connecticut musket maker to Committee of Safety. Received from Titus Homer, one of the Arms Committee, a draft on the Treasurer, with instructions to pay "Green," a gunsmith employed in making guns for the Colony.

GREEN, Saul—Vassar, Mich. Partner of Thomas W. Barnes, late 19th century, as Barnes & Green. Over-under rifle-shotguns; breech-loading side-by-side rifle-shotgun.

GREENE, Jas. D.—In charge of production of the Greene under-hammer, oval bore, bolt action, percussion rifle made at Worcester, Mass., (in the old Waters shops) with machinery bought from Chas. W. Lancaster of London, England. The arm was

patented by Lt. Col. J. Durrell Greene, U. S. Army, Nov. 17, 1857, patent No. 18,634. An advertisement published in Boston in 1862, mentions the Greene rifles being then in the process of manufacture by the Millbury Co., Worcester, Mass., Jas. D. Greene being in charge of the works. There were 900 Greene rifles purchased by the government during the Civil War, and some were used in the Battle of Antietam, the peculiar cartridges, with the bullet rearmost, having been found on the battlefield.

Two hundred Greene carbines, patented June 27, 1854, side-hammer, equipped with Maynard primer purchased from J. D. Greene by the government on May 24, 1855, at \$30.00 each Ordnance report of Nov. 5, 1857, shows 170 Greene carbines were issued for use to the army.

Probabilities are that Jas. D. Green, or J. D. Greene, the arms vendor, and J. Durrell Greene, the inventor were related, and not the same person. The government was not likely to purchase arms from an army officer.

GREENE RIFLE WORKS—Worcester, Mass., 1864. Makers of Greene carbine.

GREENLAND, E. M.—Unidentified. Percussion Kentucky rifles.

GREENTREE, Alexander—Pennsylvania arms maker in the employ of Lewis Pahl, musket maker to Committee of Safety. On June 12, 1776, Greentree was ordered discharged or furloughed from the army in order to return to gun making under Pahl.

GREENWOOD & GRAY—Columbus, Ga. Confederate rifle and sword factory established on City Lot No. 188, purchased Jan. 17, 1862, by Eldridge S. Greenwood and William C. Gray, cotton merchants, and Abraham H. DeWitt, sword maker, who had charge of the sword making operations of the firm. The rifle factory was operated by John P. Murray, and the arms stamped "J. P. MURRAY" 358 Mississippi rifles (M. 1841) and 153 carbines were furnished the State of Alabama between Oct. 1, 1863 and Nov. 1, 1864. The plant is believed to have been burned by General Wilson in 1865, and a cotton mill later erected on the site, was known in 1888 as the "Steam Cotton Mill," owned by J. Rhodes Browne.

GREGORY, Richard—Boston, Mass., 1727.

GRESHEIM—Lancaster, Pa., prior to 1783. Kentucky rifles.

GRIEFF, William—Reading, Pa.

GRIFFITH, Joseph—Louisville, Ky., in 1843 at Market St., between 5th and 6th; in 1848 at 294 Green St.; 1848-49 on Walnut St., between Campbell and Wentzel. In 1854 on an arms buying trip to England. Active also 1869-70. Employed James Day.

GRIFFITHS, John—Cincinnati, Ohio, 1839, to about 1865. Contracted Dec. 6, 1842, for 5,000 rifles at \$13.00 each to the delivered at 1,000 per annum. The contract was taken over by E. Remington & Son due to Griffiths' inability to make deliveries. Associated with Henry L. Siebert in 1852-54. Rifles and shotguns.

GRIFFITHS & SIEBERT—729 Main St., Cincinnati, Ohio, 1852-54. See John Griffiths.

GRIMES, Daniel—Sheridan, Lebanon, Co., Pa. Possibly made barrels only.

GRIMM, Frederick—Lancaster, Pa., 1857.

GRING, Reuben—Mohnton, Wyomissing Creek, Berks Co., Pa. Gun barrel maker.

GRISWOLD, A. B.—New Orleans, La. Importer of arms for the confederacy. The name appears on English made, Tranter percussion revolvers.

GRISWOLD & GRIER—Giles H. Griswold and E. C. Grier, Griswoldville, Ga., (near Macon), manufacturers of Confederate, brass frame, .36 caliber revolvers patterned after Colt's Model 1851, Navy.

The undertaking originated as a factory for the manufacture of cotton gins founded at Clinton, (first called Albany), by Samuel Griswold and Daniel Pratt, who came to Clinton from Connecticut about 1807. Pratt later moved to Alabama to found Prattville. As the plant was not on the railroad, Griswold purchased 4,000 acres at Station 18, on Central Railroad, erected works about a mile from it, called Griswoldville.

When the War started, Giles H. Griswold, successor to Samuel, obtained a loan from the Confederate Government to convert the plant to arms making. On his death the business was carried on by Griswold's brother-in-law, Col. E. C. Grier. In Confederate Ordnance records the plant is also called "Griswold & Gunnison."

A total output of some 3,600 revolvers are believed to have been furnished to the Confederacy at fifty dollars each, from summer of 1862 to Nov. 20, 1864 when the plant was destroyed by the 10th Ohio Cavalry, during Sherman's march to the sea. Also destroyed were the soap factory, candle factory, shoe-blackening factory and every house in Griswoldville except Mr. Griswold's, Mr. Grier's and a few negro houses. The ruins of the smokestack are still standing.

GROCE, H.—Pennsylvania. A fine over-under Kentucky rifle.

GROFF, H. W. (or H. S.?)—Unlocated. Kentucky rifles.

GROFF, H. S.—Unlocated. Kentucky style halfstock percussion rifle, engraved silver inlays, name on brass barrel-inlay.

GROFF, J.—Lancaster, Pa., early 1800's. Kentucky rifles. Same as John Groff?)

GROFF, John—Lancaster, Pa., rifle maker. In association with Jacob Dickert and Peter Gonter, contracted in 1792 for "rifle guns"; \$3,200.00 being paid them on account.

GROOMS—West Union, Adams Co., Ohio.

GROOT, Henry—Pittsfield, Mass., 1866-68. Also Minneapolis, Minn., 1869-71. Same? Percussion rifle.

GROSS ARMS CO.—Henry and Charles B. Gross, Tiffin, Ohio, 1864-66. Makers of the Gross patent rim-fire 7-shot revolvers.

GROSS, H. & C. B.—Henry and Charles Gross. See Gross Arms Co. Active together 1852 to about 1864. Henry Gross had been associated with Gwyn & Campbell, and was active in the arms making industry from about 1849 to 1880. Charles B. is listed alone from 1880 to 1886.

GROVE, L.—Lancaster, Co., Pa., 1815-1840. Flintlock Kentucky rifle.

GROVE, S.—Unlocated. Flintlock Kentucky rifle circa 1815.

GROVE, Samuel—York County, Pa., 1779-83, flintlock Kentucky rifles.

GROVER & LOVELL—Boston, Mass., 1841-44. See John P. Lovell Arms Co.

- GROVES, Isaac**—Chillicothe, Ohio, 1804-1818.
- GRUBB, George**—New York, N. Y., percussion period.
- GRUBB, J. C.**—Maple full stock, octagon, smoothbore percussion Kentucky with oval brass patchbox and set triggers. See also Grubb, Jos. C. & Co.
- GRUBB, Jos C. & Co.**—712 Market St., Philadelphia, Pa., from before 1855 to 1886.
- GRUBB, Col. Peter**—Lancaster, Pa., gun barrel maker to Lancaster Committee of Safety. Operated a forge for the manufacture of gun skelps for musket barrel. Marcus Nagle, Nicholas Scove, Thomas Nabury, Peter McMullen and John Jones (stocktaker), in his employ at the forge, were excused on Aug. 16, 1776, by the Lancaster Committee, to remain at work and not march with the militia.
- GRUBB, T.**—Philadelphia, Pa., about 1820 and later. Beautiful, silver inlaid flintlock Kentucky rifle; ornate, finely made pair of flintlock Kentucky duelling pistols; flintlock holster pistol.
- GRUDCHOS & EGGERS**—New Bedford, Mass. A fine percussion target rifle beautifully carved and engraved. Samuel Eggers, working alone in New Bedford about 1840-1865, made a heavy 100 caliber percussion whaling gun with wood forestock, half-octagon barrel and back-action lock.
- G. S.**—Unidentified. Early flintlock Kentucky rifle with slender wrist, high comb, no patchbox, carved stock. Another, script marking, with patchbox and many inlays.
- GUEST, I.**—Pennsylvania pistol maker. Had worked in the Warwick Iron Works which cast cannon during the War of Revolution.
- GUEST, John**—In association with Peter Brong and Abraham Henry, had contracted with Tench Coxe, Purveyor of Public Supplies, for pistols and rifles. John Guest is probably identical with I. Guest, letters J and I being interchanged rather freely at that time.
- GUGER, P.**—Muray, Pa. Percussion Kentucky rifles.
- GUIGNARD**—Columbia, S. C. See Radcliffe & Guignard.
- GUILLAM, Benjamin**—Massachusetts, 1775-76. Musket maker to Committee of Safety.
- GUIN, James**—Ohio. Early.
- GUIN, John**—Ohio. Early.
- GUION, T. F.**—New Orleans, La. Percussion derringer.
- GUMP, Jonathan**—Upper Sandusky, Wyandotte Co., Ohio, 1852-82.
- GUMPF, A.**—Lancaster, Pa., 1869-1870 and before. (Also Gompf, Gumph?) Related to, probably contemporaneous with Christopher Gumpf—used C. GUMPF die overstamped with initial A. Both made flintlock Kentucky rifles in the late 19th century. A German silver mounted halfstock percussion rifle, A. W. Spies back-action lock.
- GUMPF, Christopher (or Gumph)**—Lancaster, Pa., before 1830-after 1888. Very long Kentucky rifles; made a flintlock rifle as late as 1888.
- GUMPF, J.**—Unlocated. Flintlock Kentucky rifle, circa 1800.
- GUMPF, James**—Lancaster, Pa., died about 1887. A rotating over-under flintlock rifle-shotgun; percussion Kentucky rifles. Three 59-inch rifling guides, straight cut or rifled one turn in 48 inches.

- GUMPH, Christopher**—Or Gumpp. Lancaster, Pa., 1798. Musket maker. One of the petitioners to the 7th Congress on Jan. 28, 1803, for the non-removal of import duties on arms.
- GURN, A.**—Pennsylvania; Kentucky rifles.
- GUYER, J. P.**—Muncie, Pa. Over-under percussion Kentucky rifle-shotgun with back-action locks. Probably same as John Guyer and J. P. Guyler, late percussion Kentucky rifles.
- GUYLER, J. P.**—Unlocated. Late percussion Kentucky rifles.
- G. W.**—Unidentified. Walnut halfstock percussion rifle of indifferent workmanship. Converted factory lock, mother-of-pearl star in cheekpiece. Large letters "G.W." on barrel. Reported first used in 1877 in Moravia, Iowa.
- G. W. C.**—Script initials on barrel of halfstock rifle by George W. Craft, q.v. Most of his work was unmarked.
- G. W. S.**—Unidentified. Script marking on barrel of circa 1820 No. Penna. type Kentucky rifle with carved Roman nose stock.
- GWINN, Alexander**—McCoysville, Juniata Co., Pa. Maple full-stock, octagon barrel, flintlock Kentucky rifle with double set-triggers.
- GWYN & CAMPBELL**—Hamilton, Ohio. Edward Gwynn and Abner C. Campbell. Established the Cosmopolitan Arms Co., or the Gwyn & Campbell "Arsenal and Gun Factory" at Hamilton, in the fall of 1860, for the manufacture of the Cosmopolitan breech-loading percussion carbine, patented Oct. 21, 1862. The arm was also known as the Union, or the Grapevine. The firm employed 120 workmen during the Civil War, and furnished 9,342 carbines to the government, as well as quantities to military organizations and to the State of Kentucky.

The Cosmopolitan carbine is sometimes also referred to as the Gross, after Henry Gross who was associated with Gwyn & Campbell in the development of the arm, and secured patents covering minor improvements in the action.

H

- H.**—See Darling, B. & B. M.
- H pierced by arrow**—lockplate marking on locks marked "J. C. M. DAYTON;" also locks on two rifles by J. B. Hixson. May be Hixson's mark.
- HABERSTRO, Joseph**—147 Main St., Buffalo, N. Y., 1832-44. Rifle maker, flintlock and percussion.
- HACKNEY, William W.**—Dayton, Ohio, 1859-69.
- HADEN, James**—Philadelphia, Pa., 1769.
- HAEFFER**—Flintlock Kentucky rifle; lock by Brong. Probably by John or Jacob Haeffer.
- HAEFFER, Jacob**—Lancaster, Pa., musket maker. Contractor to the Commonwealth of Pennsylvania on April 17, 1801, for 500 Charleville pattern, (Model 1795), muskets.
- HAEFFER, John**—Lancaster, Pa. John and Jacob (see above) Haeffer were among the petitioners to the 7th Congress on Jan. 28, 1803, for non-removal of import duties on arms.
- HAEFFER, P. B.**—(Haeffer?), Flintlock Kentucky rifle, lock hand-made; raised carving and 16 silver inlays.

- HAGA, Wolfgang**—Reading Town, Berks Co., Pa., 1767-84.
- HAGEDORN, A. M.**—Detroit, Mich.
- HAGER, Jonathan**—Founder of Hagerstown, Washington Co., Md. Listed as gunsmith in Hager land-patent dated August 10, 1753.
- HAGI, J.**—Early Pennsylvania gunsmith.
- HAHN**—New York, N. Y., 1870.
- HAHN, Henry**—Zanesville, Ohio, 1804.
- HAHN, W.**—New York, N. Y., 1858.
- HAIMAN, Louis and Elias**—See Columbus Fire Arms Mfg. Co.
- HAIMES, William**—Harvey Towne, Md., 1688. It was ordered that all public arms at Mettapan be taken to "William Haimes, Gun Maker at Harvey Towne" to be fixed and made fit for service.
- HAIN, P. L.**—Pennsylvania; Kentucky rifles.
- HAINES, G.**—Pennsylvania; late Kentucky rifles.
- HAINES, Isaac**—Pennsylvania, about 1730. Kentucky rifles.
- HALBACH & SONS**—Listed in Baltimore and Washington directories as maker of firearms and cutlery. Produced characteristic American pistols with U.S. eagle and shield and stars on butt cap. 1785 and later.
- HALBURN, Casper**—Lancaster, Pa., 1775. Musket maker to Committee of Safety. Ex-employee of William Henry I.
- HALDEMAN, D.**—Fayette Co., Pa. Late maker of Kentucky rifles.
- HALDEMAN, F.**—Heidelberg, Berks Co., Pa., died about 1887. Fine rifled flintlock Kentucky target pistol, hand-made lock with F. Haldeman engraved on silver inlay.
- HALE, B. J.**—Worcester, Mass., percussion period.
- HALE, E. & W.**—New York, N. Y. Concealed trigger, percussion pocket pistol.
- HALE & FULLER**—Hartford, Conn. Underhammer percussion pistol.
- HALE, J. H.**—Worcester, Mass. Maker of J. H. Hale under-hammer, percussion pistol.
- HALE, Mathias**—Gunsmith. Juniper Race, Phila., Pa., 1819.
- HALERSTROH, L.**—Fremont, Ohio, 1866-68.
- HALK, I. or J.**—Lancaster, Pa., about 1790; possibly same as J. Hoake. Flintlock Kentucky rifles.
- HALL, Alexander**—New York, N. Y., 1850.
- HALL, Charles**—Lancaster, Pa., 1880.
- HALL, Charles, Jr.**—Oquaga Lake, N. Y., to about 1897, then at McClure Settlement until 1927. Born 1872; died 1927. Blacksmith, mechanic and repairman. Made few muzzle loading guns.
- HALL, Daniel**—Present Richland Co., Ohio, 1800. Gunsmith to Indians.
- HALL, E. L.**—Springfield, Mass.
- HALL, George H.**—Pittsylvania Courthouse, Va. Made and altered muskets.
- HALL, John**—Armorer. Was paid \$538 12/90, New Emission Currency, (at exchange four for one, equal to \$134 48/90 in specie) for repairing 100 muskets, 1 pistol and 2 rifles at Phila., July 9, 1781.
- HALL, John H.**—Yarmouth, Maine. In association with William Thornton of Washington, D. C., inventor of the Hall breech-

loading firelock (flintlock) patented Mar. 21, 1811. Between 1811 and 1816, at Portland, Maine, Hall made a limited number of sporting arms and pistols embodying his system of breech-loading.

About 1812, Hall adopted his system to the heavier charge of martial long arms, and for a time vainly attempted to have them accepted by the services. Finally in January, 1817, after successful tests of 1813 and 1816, Hall was given a contract for 100 rifles at \$25.00 each, for service trials and tests. As a result of favorable reports on his arms, the rifle was officially adopted, and after another period of two years spent at the Harpers Ferry Armory perfecting the mechanism, J. H. Hall received a contract for 1,000 breech-loading rifles bearing his name. In order to insure quantity production and proper construction, Hall entered government employ as assistant armorer at the Harpers Ferry Armory to supervise the manufacture of his arms, at a salary of \$60.00 per month and a royalty of \$1.00 per rifle. In connection with the production of these arms, Hall followed in the footsteps of Simeon North, pistol maker, and designed and constructed a number of machines used in the manufacture of his rifles in order to insure interchangeability of parts and facility of manufacture. This was the first instance of practical standardization of parts in a government arms plant.

The necessary rifle making machinery for quantity production was completed between 1819 and 1823, and in the latter year the Harpers Ferry Armory went into production, completing the first thousand in 1824, at the cost of \$20.59 per rifle, complete with bayonet, flask, bullet mold, wiper, spring vise and screw driver, that amount also including packing and a fee of \$1.00, Hall patent right. The second thousand was made in 1827, the cost declining to but \$14.71 per stand.

In all, 22,870 Hall rifles were made at the Harpers Ferry Armory between 1823 and 1844, on which Hall in addition to his salary and allowances, received \$20,220 in royalties on his machinery and "privilege of patent rights," to July, 1841. This sum includes \$1,600.00 paid his son, after John H. Hall's death on Feb. 26, 1841.

In addition to the Harpers Ferry Armory made Hall rifles, many thousands Hall system arms, especially carbines, were made on government contracts by the Simeon North Armory at Middletown, Conn.

HALL, P. E.—Ashtabula, Ohio. Percussion, false muzzle target rifles.

HALL, S.—New York, N. Y., 1846-50.

HALL, Samuel—East Haddam, Conn. Musket maker to Committee of Safety, Connecticut. Contracted to make 400 muskets with bayonets at 3 pounds, 5 shillings. He completed and delivered 153 stands, completed 70 more which he reported on hand, "also 45 barrels that are bored and 79 that are not, and fit to bore, together with bayonets, loops, breech pins, mountings and stocks."

HAMILTON, Joseph—North Carolina; making flintlock Kentucky rifles in 1821.

HAMM, A. J.—241 Edgewood Ave., Pittsburgh, Pa. Modern flintlock and percussion rifles, authentic period reproductions; rebuilding, restoration, and repair.

- HAMMOND, B. L.**—Rim-fire carbine, about 1866-67.
- HAMPTON, J. N.**—Unidentified. Flintlock Kentucky rifle.
- HANCOCK, Ethan**—Cut off pistol barrels to size, Springfield Armory, 1808.
- HANDLIN, John**—Pennsylvania musket maker to Committee of Safety, 1776. Handlin was one of the petitioners, representing gun makers, complaining in November, 1776, to the Committee of Safety against the high cost of materials and labor entering into arms-making, and quoting advances in prices within one year, from 1775.
- HANKINS, Wm.**—Philadelphia, Pa., 5-shot percussion revolver.
- HANKS, Uriah**—Mansfield, Conn. Gun-lock maker to Committee of Safety. From June 10, 1776, made 87 double-bridled locks. In April, 1777, made 15 gun-locks. Payment recorded June, 1777.
- HANNIS, James**—U. S. Inspector of Contract Arms, 1841-44. Inspected arms in the plant of Nathan Starr.
- HANNIS, Joseph**—Phila., Pa. Listed as gunsmith at 193 St. John in 1929.
- HAPGOOD**—Boston, Mass., 1872.
- HAPGOOD, H.**—Percussion period.
- HAPGOOD, Joab**—Shrewsbury, Mass. Born about 1800. Careful workman made all parts of his arms. Shop was located on Oak Street on top of a hill. His house, across from his shop, had been built in 1747. Later lived on Main Street, Shrewsbury. At one time had a sporting goods store in Boston. Died in 1890 and is buried in Mt. View Cemetery.
- HAPPOLD, J. H.**—See J. M. Happold.
- HAPPOLD, J. M.**—Charleston, S. C. Established in 1853 at the corner of Meeting and Cumberland Streets. Maker of duelling pistols, derringers, percussion rifles and shotguns. Business carried on by J. H. Happold, son, who made breech-loading arms in 1883.
- HAQUARD**—Portsmouth, Lawrence Co., Ohio.
- HARA, Nicholas**—Troy, N. Y., in 1840. Percussion Kentucky rifles.
- HARDEN, G. W.**—Moulton, Iowa, 1853. Came from Ohio in 1848 to build his shop at Moulton. The state at the time was a "hunter's paradise" and Harden specialized in plain stocked but well made, accurate hunting rifles, decorated only on special order. At times did not mark his barrels. Died in 1880.
- HARDER**—Williamsport, Pa., late percussion period.
- HARDER, C. E. & CO.**—Unlocated. Kentucky type flintlock pistols.
- HARDER, G. W.**—Tyrone, Pa. Percussion Kentucky rifles.
- HARDER, H. & T. CUSHMAN**—Makers of half stock, "mule ear" lock, muzzle loading, percussion rifle.
- HARDER, J. E.**—Clearfield, Pa. 1886-1890. Maker of Harder breech-loading rifles and shotguns.
- HARDER, Jacob**—Lock Haven, Pa., active about 1846-60. Harder was born about 1820, and in 1838 began serving a six years' apprenticeship with Bartlett Brothers, in Binghamton, N. Y. Upon completion, he worked for two years as a journeyman, then opened his own shop in Athens, Pa. Harder moved to Lock Haven in 1860, where his plant, making muzzle loading percussion rifles employed eight gunsmiths. Harder also made

cased duelling pistols for Southern trade, as well as multi-barreled rifles.

HARDER, Wm. H.—Clearfield, Pa., 3-barrel guns.

HARDESTY, Charles—West Las Animas, Col., 1875.

HARDIN, Enoch—Birchwood, later Soddy (near Chattanooga), Tenn., 19th-20th century. Heavy percussion match rifles of fine accuracy.

HARDING—Unidentified. Kentucky rifles.

HARDY, C. E. & CO.—Marking on the lock of a flintlock Kentucky type pistol with barrel marked "H. B."

HARKER, C. P. or G. P.—Unlocated. Kentucky rifles.

HARMON, Is.—Sulphur Springs, Ohio, 1851. Heavy bench rifle.

HARMON, L.—Unlocated Southern riflesmith. A converted flintlock Kentucky rifle with strap-iron trigger guard, no buttplate; lock (perhaps converted before use) by Longstreet & Cook, Phila. Rifle came from Henry Co., Ky.

HARPERS FERRY ARMORY—Established in 1796, by George Washington, who attracted by the ample water power facilities at Harpers Ferry, Va., located at the confluence of the Potomac and Shenandoah Rivers, selected that locality for the site of one of two Federal armories and arsenals authorized by Congress in the Act of April 2, 1794.

Harpers Ferry was named for Robert Harper, who settled there in 1747, and established a ferry across the Potomac. The site consisted of 125 acres of land purchased from the Harper family. Though the construction of buildings and shops was begun in 1796, the first output of arms is recorded in 1801, when 293 muskets were made. During its existence the armory averaged over 10,000 muskets and rifles annually, and about 75,000 small arms were kept in storage reserve.

The armory gained considerable public attention in 1859, through its capture for a day by a rabid abolitionist, John Brown, who, with a party of nineteen others, unsuccessfully attempted to seize arms for the arming and revolt of Negro slaves. The abortive attempt cost John Brown his life by execution.

At the time of Virginia's secession, Harpers Ferry Armory was garrisoned by Lt. Roger Jones, U. S. Army, and a detachment of 45 enlisted men. On the night of April 18, 1861, confronted with the imminent capture of the armory by an assembling large body of Virginia militia, Lt. Jones set fire to the arsenal and the armory, destroying over 20,000 stored small arms, and as much public property as possible, and retreated across the Potomac. Some of the arms, equipment and machinery were salvaged by the Confederates and were used by them later in the assembly and manufacture of Confederate arms. See Fayetteville Arsenal.

HARRIC, Jason L.—Or Harris. Unidentified. Late flintlock period, before 1825.

HARRINGTON—Sturbridge, Mass. Percussion pistol.

HARRINGTON, Ab.—Vassar, Mich. Partner of Thomas W. Barnes, post-Civil War; together made two percussion over-under rifle-shotguns per week at \$20 each.

HARRINGTON, H. B.—Lebanon, N. H.

HARRINGTON, Luke—Sutton, Mass., 1832.

HARRINGTON & RICHARDSON—Revolver and shotgun manufacturers. The business was established in 1871, by Gilbert H. Harrington and Frank Wesson at 18 Manchester St., Worcester, Mass., in the shops where Wesson had made his rifles. Wesson sold out his interest in 1874, to Harrington, who taking William A. Richardson into partnership, renamed the firm Harrington & Richardson. The plant was moved to Hermon Street in 1876, and later, in 1894, to Park Avenue. In 1880 in addition to their revolver line, the firm obtained license to manufacture shotguns on the Anson & Deeley system.

William A. Richardson was born Dec. 20, 1833. Came to Worcester in 1863 and made gun tools for the Ballard arms. Had worked for Frank Wesson in 1866.

HARRIS, C. H. & DARLING, W. K.—Otsego, Mich., mule-ear, over-under rifle.

HARRIS, Henry—Middletown, Paxton, Lancaster Co., Pa., 1779.

HARRIS, Isaac—Savage Town, Md., before and after 1772-76. Musket and rifle maker to Committee of Safety.

HARRIS, Jason L.—See Herric, Jason L.

HARRIS, Luke—Sutton, Mass., 1832.

HARRIS, William—Seneca Co., near "Fort Sandoski," Ohio, prior to 1812. First white gunsmith to the Indians. Spoke fluent Seneca.

HARRIS, William—Baltimore, Md., 1856.

HARRIS, William—208 Leidersdorff, San Francisco, Calif., 1861-65. (with F. Newhoff?).

HART—Frewsburg, N. Y. A heavy halfstock percussion rifle.

HART, B. F.—New York, N. Y., 1855-65.

HART, B. J. & BRO.—New York, N. Y., 1857 and after. Makers of 5-shot percussion revolvers and single-shot percussion pistols.

HARTFORD ARMS CO.—Hartford, Conn. .22 cal. sheath trigger pocket revolvers.

HARTIG, J.—Dubuque, Iowa, 1868.

HARTMAN—Erie, Pa. Walnut half stock, percussion smooth rifle.

HARTMAN, P. & J. HAHN—Erie, Pa. Percussion single-barrel shotgun, so marked on barrel.

HARVEL, G. W. & BROS.—Unlocated. Percussion rifle with lock by Henry Elwell.

HARVEY, Thomas H.—Born 1795, died 1854. Rotating tumbler gun lock:—pat. 1849.

HARWOOD, Nathaniel H.—Brookfield, Mass., about 1825-40.

HASDELL, T. R.—70 E. Madison Ave., Chicago, Ill., 1881-84.

HASKELL, R.—Painesville, Ohio, maker of rifles with Remington barrels. Born 1827, died June 24, 1882.

HASLETT, James—Superintendent of Robert McCormick's musket factory. When McCormick failed on a contract with the State of Virginia for 4,000 muskets about 1797, Haslett took over the contract and completed deliveries.

Haslett was born in Ireland and brought to the United States by McCormick of Philadelphia. He established his own place in Baltimore in 1803. Served as a Major in the War of 1812, and was in the Battle of North Point. Haslett was in business until 1824, and his duelling pistols are prized as works of art. He died in Calvert County in 1833.

HASLETT, John—Also Hazlett. Baltimore, Md., 1804-1824. Listed in the 1824 Baltimore Directory at 28 Water St. Pistol maker.

HATCH, C. P.—Pennsylvania; Kentucky rifles.

HATCH, W.—Burlington, Vt., early percussion period.

HATCH, Warren—Plattsburg, N. Y., before and after 1850. Same as Hatch, W?

HATCHER, P. P.—Belmont Co., O. Percussion Kentucky rifles.

HATCHER, P.—Maker of a full maple stock, brass patch box, 36" octagonal barrel, flintlock rifle.

HATTERSLEY, Henry—Cleveland, Ohio, 1850-71. Gun manufactory.

HAVEN, N.—Puts Corners, Ulster Co., N. Y., 1800.

HAVER, George W.—105 Hill Ave., Carnegie, Pa. Modern rebuilt flintlock and percussion Kentucky rifles. Learned under Uriah Fisher at Rices Landing, Greene Co., Pa.

HAWES & WAGGONER—Charleston, S. C. Percussion derringers.

HAWK, Nicholas—Gilbert, Monroe Co., Pa. About 1840-45. Beautiful late Kentucky rifle.

HAWKEN, D. T.—Springfield, Ohio. Plain, long-barreled percussion Kentucky rifles stamped with name and address; one reported bought second hand in 1852.

HAWKEN, John—Hagerstown, Md., gunsmith. Father of Jacob and Samuel Hawken. Active about 1785-1808. The Hawken family, according to tradition, are believed to have been originally of Welsh ancestry. They are said to have left British Isles to escape some form of taxation. There was also a legend that the family had participated in ship raiding and wrecking off the rocky Welsh coast and left the country under Crown pressure. From Rose Abbey, Wales, they emigrated to Holland, thence to America, eventually settling at Hagerstown, Md. By his wife, Julienne, of Dutch ancestry, he had many children, including at least five boys, of whom Jacob and Samuel migrated West, the other three remaining in Hagerstown to carry on their father's gunsmith trade.

HAWKEN, Jacob and Samuel—Famed St. Louis, Mo., rifle makers. Hawken brothers were born at Hagerstown, Md., Jacob in 1786, Samuel on Oct. 26, 1792, of a gunsmith family of Welsh-Dutch Ancestry. In 1821, Jacob Hawken, the elder brother was listed at 214 N. Main St., in the St. Louis Directory. In 1822, Samuel arrived from Xenia, Ohio, where he had operated a gun shop. The brothers opened a new shop at 29 Washington Ave., (the present location of Eads Bridge). Jacob Hawken died of cholera May 9, 1849, the shop being operated by Samuel until 1859, when Samuel Hawken went to Denver, Colo., with his son, also a gunsmith. The operation of the shop was left with William Watt, an old employe of the firm.

The family records are meager. Little is known of Jacob Hawken except that he had married Catherine Allison of St. Louis, and that his arms were held in high esteem. His papers were burned during the cholera epidemic and his body was placed in the Mississippi River for burial, so no cemetery records are available. Samuel had been in the service in the War of 1812, and was present at the Battle of Bladensburg. In 1861, Samuel Hawken and his son returned to St. Louis, and a year later sold the "Hawken" shop to John P. Gemmer, a former employe, who continued the manufacture of the Hawken rifles,

under that name, for a number of years before changing the name. See Gemmer, John P. Samuel Hawken died in St. Louis, Mo., May 8, 1884, and is buried in the Bellefontaine Cemetery.

HAWKEN, W.—St. Louis, Mo., maker of a full stock percussion Kentucky rifle. William S. Hawken was the son of famed rifle maker Samuel Hawken. Was known to plainsmen trade as "Jake Hawken's nephew."

HAWKINS, Henry—Schenectady, N. Y., rifle maker 1769-1775. One of four rifle makers induced by Sir William Johnson to come out and settle in New York State by grants of buildings and tools. By 1775 rifle making had become an enterprising industry with most of the settlers and Indians trading their smoothbores for rifles, and New York was second only to Pennsylvania in their manufacture.

HAWKINS, Hiram—Edinboro, Erie Co., Pa. Percussion rifles and shotguns.

HAWKINS, John—U. S. Inspector of Contract Arms, 1840. Inspected arms in the plant of Nathan Starr.

HAYDEN, Bemiah—Unlocated. Making Kentucky rifles in 1838.

HAYNES, Joshua—Waltham, Mass.

HAYNES, William B.—Chillicothe, Ohio.

HAYWOOD, Wm.—Milwaukee, Wis., "Importer, dealer and manufacturer of guns, pistols and maker of Improved Gain Twist Rifle,"—"Shotguns made to Shoot Close." Located at 228 West Water Street 1847-49 and at 252 West Water 1851-61.

HAZARD & BLAIR—Percussion pistols.

H. B.—Unidentified. Marking on the barrel of a Kentucky type, flintlock pistol with lock marked "C. E. Hardy & Co."

HB—Unidentified. Script monogram die-stamped on the barrel of a percussion Kentucky rifle with engraved patchbox. Four dots in the crossbar of the H.

H. D.—Unidentified. Percussion Kentucky rifle.

HEAL, John—See Heal Rifle Co.

HEAL RIFLE COMPANY—12-18 Atwater St., West, Detroit, Mich. Makers of boy's .22 rifles, lever action, loaded from underneath. John G. Heal was listed as laborer in 1893; in 1901 was secretary and treasurer of the Detroit Brass and Iron Novelty Co. In 1904 the Heal Rifle Co. was at the same address. In 1905-06, called the Detroit Rifle Co., same address. Evidently the enterprise had a limited life as in 1909 John G. Heal is listed as laborer again. The building is now the shipping department of Vernor's Ginger Ale.

HEATON, A.—Unlocated. Flintlock Kentucky rifle with full curly maple stock.

HEATON, Morgan—Putnam, Muskigum Co., Ohio. War of 1812.

HEATONS, S. E.—Percussion rifle with Remington lock.

HEBERLIG—Barrelmaker on Wyomissing Creek near Reading, Berks Co., Pa. Member of firm Gougler & Heberlig, Mohnton, Pa. Barrels of double percussion rifle by F. Altmier, both marked "HEBERLIG, READING, PA."

HECK, K.—Unlocated.

HECKENBACH, John A.—Milwaukee, Wis. Gun maker and designer located at 473 Third Street 1877-78. Patent for a breech-loading

firearm, Patent No. 91,624 was issued to John A. Hechenbach of Mayville, Wis., June 22, 1869.

HECKERT, Philip—York County, Pa., 1799-1822. Flintlock Kentucky rifles.

HECKMAN, John—Gun stocker. Back of 18 Cherry, Phila., Pa., 1819.

HEDLEY, John—Phila., Pa. Listed as gun stock maker at 18 Cherry, in 1829.

HEFNER, J.—Marion, Ohio. Plains type rifle numbered "254."

HEFS, Thomas—West Penn Post Office, Penna. Fullstock flintlock Kentucky match rifle with lock by J. Roop.

HEINZ, Charles—Atlanta, Ga., operator of a gun shop for the Confederacy, at corner of Whitehall and Alabama Streets (now site of Atlanta National Bank). Employed 12 or 12 hands converting flintlock muskets to percussion "for the Confederate Government and making muskets and rifles for them."

HEINZE, Richard—Baltimore, period of 1888, gunsmith.

HELENA LEAD AND SHOT WORKS—Helena, Wisconsin, circa 1840-1870. Active manufacturers of lead for bullet making and of prepared lead shot for hunting purposes. Lead in pigs weighing 75 pounds and bags of shot weighing 25 pounds were hauled by wagon to Milwaukee for distribution in the lake area. Other shipments were made by way of the Mississippi River to New Orleans and thence to New York. After the establishment of railway ties with the East the lead shot was shipped there directly, or to Chicago, as lead to be used in the Blatchford Shot Tower.

HEISER, Lewis—Tiffin, Ohio, 1857-59. Shotguns and rifles.

HELLER, J.—Carlisle, Pa. Double percussion rifle.

HELLINGHAUS, F.—St. Louis, Mo. Maker of heavy percussion target rifles with Remington barrels. Listed in St. Louis City Directory 1841 through 1847.

HELTON, Joab—Primitive work, crudely marked "JOAB—HELTON MAKE" on top flat. Two crude, half stock, percussion rifles, one with wrought iron furniture and Joseph Golcher lock; the other without furniture, cheap "BLUE GRASS" lock not original.

HEMENWAY, O.—Unlocated. Halfstock percussion rifle.

HEMIWORTH, Richard—Troy, N. Y., 1833-34. Kentucky rifles.

HENCH—Pottsville, Pa.

HENCH, Peter—Lancaster, Pa., about 1740-50. Kentucky rifles.

HENDERSON, L.—Andover, N. Y., percussion period.

HENDRICKS, M. S.—Aurora, Ill., 1869-75.

HENKEL, Daniel—Mill Creek, Pa. Flintlock period.

HENKELS, Daniel—Philadelphia, Pa., gunsmith and sword maker, listed in the 1814 Directory at 264 St. John St. Active 1808-1817. Henkels was of German birth and parentage and was naturalized at Philadelphia in 1810. He is reputed by the Pennsylvania "Gazeteer" to have been the first in Philadelphia to use steam for manufacturing purposes. Contracted Feb. 14, 1815, for 1,700 muskets at \$14.25 per stand to be delivered by Feb. 1, 1816. Examination of a Henkels musket lock-plate dated 1814, shows a typical Model 1808 lock, with a tit-like rear end, and a flat, bevelled edge hammer, in spite of the late date of the contract. Henkels was connected with the Nippes family of gun

makers through a second marriage of his mother with Daniel Nippes.

HENRICH, Alonzo—Bozrah, Conn., gunsmith, 1870-71.

HENRY, George—Philadelphia, Pa., 1777-78.

HENRY, William I—The Henry firm of arms makers was founded by William Henry (called here First, for facility in identification) of Lancaster, Pa.; son of John and Elizabeth De Vinne Henry, born May 9, 1729, on his father's plantation at West Caln Township, Chester Co., Pa. In 1744, young Henry was apprenticed to Mathew Roeser, gunsmith of Lancaster. In 1751, having finished his apprenticeship, he started his own gunsmithy on Mill Creek in the same town, making Kentucky rifles and arms, principally for the Indian trade. In 1755, William Henry was armorer to the Colonial forces with the Braddock Expedition, and in 1758, saw more military service with the Forbes Expedition against Pittsburgh. In 1758, Henry entered into partnership with Joseph Simons which is believed to have dissolved prior to 1775, though it is mentioned in early records (Journal of Continental Congress Proceedings) as of existence in 1775.

William Henry I furnished arms to the Continental troops in 1776, and was authorized to make muskets for the State of Pennsylvania in 1777. He became a member of the Continental Congress in session in New York City in 1785, the year after, Dec. 15, 1786, William Henry I died at the age of 57. His gun making establishment was not mentioned in his will, it is quite likely that he turned it over to his son, William II, some time before his death.

HENRY, Abraham—Lancaster, Pa. Son of William Henry I. In association with John Graeff contracted with the Commonwealth of Pennsylvania on April 11, 1798, for 2,000 muskets to be marked "CP." Mentioned by his brother, William Henry II, as being addicted to drink. Died Aug. 12, 1811, of "vomiting of the stomach." Was one of the petitioners to 7th Congress on Jan. 28, 1803, for non-removal of import duties on arms. July 13, 1801, in association with Peter Brong and Henry De-Huff had proposed to furnish arms to State of Virginia. No record of contract. See Brong, Peter.

On Dec. 9, 1807, Abraham Henry contracted with Tench Coxe, Purveyor of Public Supplies, to furnish 200 pair of pistols at \$10.00 the pair, and 200 rifles at \$10.00 each.

HENRY, John Joseph—Lancaster, Pa., gunsmith. Son of William Henry I. Born at Lancaster, Nov. 4, 1758. With an uncle, (brother of William Henry I), John Henry, gunsmith, to whom he was apprenticed at the age of 14, moved to Detroit, where the uncle was in business about 1773-74. Young John made his way back to Lancaster in 1775, after a hazardous journey accompanied by a guide who died enroute. Probabilities are that back in Lancaster he worked in his father's shops. During the Revolutionary War he served in a rifle company and was captured at Quebec. He came back from the War crippled, studied law and was made a Federal judge. In 1810, he had dictated an account of his experience at Quebec to his daughter, which account was later printed. He died April 5, 1811, after a long illness.

HENRY, William II—Nazareth, Pa. Son of William Henry I. Born at Lancaster, March 1757, and apprenticed to Andrew Albright,

gunsmith of Lititz, Pt. He established himself as a rifle maker at Christian Spring in 1778, and at Nazareth, Northampton Co., in 1780. There he trained his sons, John Joseph and William Henry III in the gun making trade. About 1792, in association with two others, he bought a large tract of land at Jacobsburg (in the vicinity) where he had a gun barrel mill since 1780. It is believed that the proof-testing of barrels was done at Jacobsburg, as the Moravian Fathers objected to the firing of guns in the village. The Jacobsburg property was further improved in 1798, by a boring mill (later turned into a grist mill) and about 1808, by a forge and iron works. The Jacobsburg shops were in charge of son Matthew S. Henry; sons William III and John Joseph, operating the Boulton and Philadelphia plants, respectively.

On Dec. 13, 1797, William Henry II contracted with the Commonwealth of Pennsylvania for 2,000 Charleville pattern, (Model 1795), muskets. He also had government contracts:—under Act of July 5, 1798, for 500 Charleville pattern, (Model 1795), muskets at \$13.40 per stand, of which 235 are known to have been delivered by June 10, 1801. Later, on June 30, 1808, with his son, John Joseph as associate, he obtained a contract for 10,000 muskets, Model 1808, of 5 years' duration. Of this contract 4,246 were delivered by Oct. 7, 1812, and presumably the entire contract was fulfilled in time.

On Dec. 9, 1807, William Henry had been offered a contract for 150 pair of pistols by Tench Coxe, Purveyor of Public Supplies, but declined the contract.

William Henry II moved to Philadelphia in 1818, to be with his son, John Joseph, and died there in 1821.

HENRY. J. J.—John Joseph Henry, (the second of that name, whose initials were often written I. J.), the third son of William Henry II, was born at Nazareth, Northampton Co., Pa., on June 17, 1786. After learning the gun making trade under his father, in about 1808, he moved to Philadelphia, where he established a factory at the northwest corner of 3rd and Noble Streets, employing 40 to 50 hands. On June 30, 1808, in association with his father, William Henry II, he contracted with the government for 10,000 muskets, Model 1808, duration 5 years. Of these there are recorded to have been 4,246 delivered by June 10, 1801, and presumably the entire contract was fulfilled. On Feb. 9, 1815, he (alone) contracted for 2,277 muskets at \$14.25 per stand, to be completed by Nov. 1, 1816. Other than martial arms, the principal outlet of his works was the North American Fur Company—John Jacob Astor—and most of the output was shipped through agents in St. Louis to the Pacific Northwest.

In addition to the Philadelphia plant, offices and salesrooms where the greater part of the firm's business was transacted, John Joseph Henry was part owner of the Boulton plant established by his brother, William Henry III. In 1822, John Joseph bought out his brother's interest and moved to Boulton, where he later took into partnership his son James, the lock plates thereupon being marked "J. J. HENRY & SON." In addition to long arms at the Boulton plant, John Joseph made Model 1826 type martial pistols, marked "J. J. HENRY BOULTON." John Joseph Henry died in 1836, and the works passed to his son, James. The ruins of the old plant, on Bushkill Creek, near Belfast, are still standing.

During the War of 1812, John Joseph Henry was active in

production and repair of public arms for the Committee of Defense of Philadelphia. Associated with him in his work was a relative, Joseph Henry, a Philadelphia gunsmith.

HENRY, William III—Younger son of William Henry II. Born at Nazareth, Pa., Aug. 16, 1796. Learned the gun making trade in his father's shops and while working a year or two for his elder brother, John Joseph, in Philadelphia. The Nazareth plant being inadequate to take care of the still unfulfilled portion of the large contract of 1808 for 10,000 muskets contracted for by his father and brother, as well as the additional demands caused by the War of 1812, William III was sent to Boulton three miles northeast of Nazareth, to build a dam, shops and workmen's houses on land owned by the Henry's on Bushkill Creek, and so established the Boulton Gun Works. In 1822, William Henry III sold out his interest in Boulton to his brother, John Joseph.

The ruins of the old Boulton works on Bushkill Creek, in the vicinity of Belfast, are still standing.

HENRY, James—Son of John Joseph Henry of Philadelphia and Boulton. Born in Philadelphia in 1809. After a partnership with his father at the Boulton works, during which some of the arms produced by the firm were marked "J. J. Henry & Son," James Henry succeeded to the business on his father's death in 1836. In turn, about 1860, he took his son Granville into partnership, the arms being marked "J. Henry & Son." In the interim between 1836 and 1860 or so, the arms produced by James Henry were marked "J. Henry." James Henry died in 1894.

HENRY, Granville—Of Boston and Philadelphia. Son of James Henry whom he succeeded in the firm. Born in 1835, became his father's partner in about 1860, and was active until 1880. Granville Henry died in 1912.

HENRY, John—Lancaster, Pa., before and after 1759-73. Brother of William Henry I. Had a gun shop just east of his brother's store on the southeast corner of Penn Square.

HENRY, Charles—Boulton, Pa., living in 1921. Last of the Henry family of rifleshoots.

HENRY, Joseph—Philadelphia arms before and after 1811-1814. Joseph Henry pistols are known marked "J. Henry Phila." Joseph Henry was associated with John Joseph Henry of N. 3rd & Noble Sts., Philadelphia, a relative, in the production and repair of public arms for the Committee of Defence of Philadelphia in the War of 1812.

Joseph Henry contracted Nov. 9, 1807, with Tench Coxe, Purveyor of Public Supplies, for 150 pair of pistols at \$10.00 the pair, and 300 rifles at \$10.00 each. On March 23, 1808, Joseph Henry contracted for an additional 600 pair of pistols and 600 rifles on the same terms.

HENRY, Moses—Present Ross Co., Ohio, 1769.

HENRY REPEATING ARMS CO.—New Haven, Conn. Formed July 7, 1865, for the manufacture of Henry patent arms. Became Winchester Repeating Arms Co., May 30, 1866.

HENRY, B. Tyler—Superintendent in charge of production of the Volcanic Repeating Arms Co., in 1855-57. Had previously worked for Smith & Wesson in the development of their magazine arm later known as the Volcanic. In 1860 was in charge of production of the Henry (his own) patent rifles for the New Haven Arms

Co., controlled by Oliver F. Winchester. The Henry Repeating Arms Company formed July 7, 1865, became the Winchester Repeating Arms Co., May 30, 1866.

The War Department purchased 1,731 Henry rifles during the Civil War. In addition 10,000 or so were purchased by the states to arm state troops. See Smith & Wesson and New Haven Arms Co.

B. Tyler Henry was born in Claremont, N. H., March 22, 1821. He attended school at Claremont until about 16 years of age, when he began serving an apprenticeship in the gunsmith trade, working for a number of years for local gunsmiths. Later worked for Robbins & Lawrence at Windsor, Vt., where he became familiar with the mechanism of the Jennings rifle, which he later helped to improve into the mechanism of the Volcanic.

Tyler Henry left the Winchester firm about 1867, and became associated with the Henry Spring Co., of 20 Howard St., New Haven, listed in the City Directory in 1870-71. He died at his residence, 73 Audubon St., New Haven, Conn., June 8, 1898.

HENSHAW, Joshua—Musket maker. Contractor under Act of July 5, 1798, for Charleville pattern (Model 1795) muskets at \$13.40 per stand. Thirteen hundred dollars is recorded paid on account in 1800 and \$2,100 in 1801.

HENSZEY—See Moore, Henszey & Co., percussion bar lock.

HEP, Philip, Jr.—Unlocated. Flintlock Kentucky rifle with gooseneck hammer, inlay in place of patchbox.

HEPBURN, Lewis L.—Colton, N. Y. Inventor of the Hepburn back action locks. Maker of an over-under, muzzle loading, percussion sporting rifle.

HERFURTH, August—Madison, Wis. 1866-1878, Webster Street near King. Made very fine percussion schuetzen rifles and some mediocre hunting rifles and shotguns.

HERGET, J.—114 Pacific St., San Francisco, Calif., 1858-65.

HERMAN, Peter—Lancaster, Ohio, before and after 1868-71.

HERR—Canton, Stark Co., Ohio. Early.

HERRING, Richard—In association with John Devane established a Public Gun Factory, authorized by Act of April 24, 1776, in the Wilmington District, North Carolina. After production of some one hundred long arms the factory was destroyed by Tory sympathizers.

HERTIG, F.—Philadelphia, Pa. Marking on a barrel of what appears to have been a fullstock percussion rifle.

HERTZOG, Andrew—York County, Pa., 1777-80. Payments recorded for repair of public arms.

HESS, J.—Unidentified. Copper-mounted, flintlock Kentucky rifle.

HESS, Philip, Jr.—Operator of a water power rifle factory erected by him at the foot of Blue Mountains in 1832, on the west branch of the road from Saegerstown to Lehighton, about one-half mile west of Balliet's Furnace, later known as the old Lehigh Furnace.

HESS, Samuel—Matrick Township, Lancaster Co., Pa., 1771.

HESS, Solomon and Jonas—Gunsmiths who had worked in the Philip Hess rifle factory, and continued in the vicinity after the factory was dismantled.

HETRICH, JOHN & CO.—Newark, Ohio, before and after 1866-70.

- HETRICK, Jacob**—Lima, Ohio, modern.
- HETRICK, John**—Norwalk, Huron Co., Ohio, 1866-70. "Employed four hands."
- HETRICK, Levi**—Lima, Ohio, before and after 1888-94.
- HEUSER, J.**—Gunsmith, 25 St. Phillip, New Orleans, La., 1853.
- HEYER**—Of the firm Duryea & Heyer, makers of Kentucky type, full curly maple stock, brass mounted, light weight barrel, percussion fowling piece.
- H. H.**—Unidentified. Marking on a flintlock Kentucky rifle.
- H. H. P.**—Initials of Henry H. Perkin, U.S. Inspector of Contract Arms, 1813-17. Inspected arms (sabers and N.C.O. swords) at the plant of Nathan Starr.
- HIDE, Elijah**—Connecticut. Worked on repair of public arms in July, 1777.
- HIGH STANDARD**—61 Foote St., New Haven, Conn. Modern. Small caliber automatic pistols.
- HILL, S. W.**—Johnstown, N. Y. Stamped on barrel and inside patch-box lid of curly maple halfstocked percussion rifle.
- HILL, Thomas**—Carlotta, Vt., 1790-1810.
- HILLEGAS, H.**—Unlocated; Kentucky rifles. Perhaps related to J. Hillegas, flintlock pistol and rifle maker of Pottsville, Pa.
- HILLEGAS, J.**—Pottsville, Pa., about 1810-1830. Maker of a full stock Kentucky rifle with altered lock marked "SHARPE."
- HILLIARD, D. H.**—Cornish, N. H., about 1860-1880. Maker of an under-hammer, muzzle-loading, percussion sporting rifle.
- HILLS, Benoni**—Goshen, Conn., 1753. Marking on a full stock, flintlock fowling piece.
- HILLS, Medad**—Goshen, Conn., rifle and musket maker. Born April 22, 1729, died March 4, 1822. Flintlock musket dated 1758. Early New England 4½ inch octagonal, pinned barrel, flintlock rifle with goose neck hammer and curly maple stock. He also made and delivered 40 muskets, bayonets and belts to the Committee of Safety in 1776.
- HILLSBOROUGH GUN FACTORY**—Establishment authorized by the State of North Carolina in April, 1776, for which purpose the sum of 1,000 pounds was advanced to Messrs. Nathaniel Rochester, William Johnson, Amrose Ramsey and Dr. Thomas Burke, commissioners for the construction. However, due to difficulty of securing workmen, tools and materials, the factory never passed beyond the planning stage, and the money was expended for the manufacture of 200 muskets on sub-contracts (for parts) awarded to local smiths, the locks being purchased in Philadelphia.
- HINDS, John**—Boston, Mass., 1745.
- HINE, John**—Employed as musket barrel maker by Abraham Nippes in 1810.
- HINKLE, George J.**—Lancaster District, Pa., 1857.
- HIRTH, August**—Also Hirthe. Pittsburgh, Pa., 1855-1860. "Enterprise Rifles." See James Bown & Son, and Enterprise Gun Works.
- HITCHCOCK & MUZZY**—Low Moor, New England. Barrelmakers chiefly, though reported as makers of percussion rifles and pistols, Made underhammer barrels for J. H. Durkee and H. B. Hamilton

of Lebanon, N. H.; also barrel (marked "LOW MOOR" of buttstocked rifle by George P. Foster, Bristol, R. I.

HIXSON, J. B.—Probably Ohio. Script marking on fancy engraved percussion Kentucky rifle, lock marking H pierced by arrow. Similar locks known on another Hixson rifle and one by J. C. M.

H. K.—Marking inside Springfield musket lock of musket dated 1799.

HOADLEY, Lemuel—Gun-lock maker to Committee of Safety, Connecticut.

HOAKE, J.—Lancaster, Pa. Received payment for 68 gunlocks Aug. 25, 1778. Heavy flintlock Kentucky rifle with bone inlays; also made shotguns.

HOARD'S ARMORY—Operated at Watertown, N. Y., by C. B. Hoard, Civil War contractor for Model 1861 Springfield Rifle muskets marked "Watertown" and dated:

Dec. 24, 1861—50,000 at \$20.00 each. 1,500 delivered.

Dec. 1, 1863—20,000 at \$19.00 each. 11,300 delivered.

In addition to the 12,800 muskets, the armory made percussion revolvers after Austin T. Freeman patent of Dec. 9, 1862, Pat. No. 37,091 of which there is no record of government purchase.

HOARD, C. B.—See Hoard's Armory.

HOBBS, John—Putnam, Muskingum Co., Ohio.

HOBBS, P.—Monterey, Mass.

HOCKLEY, James—Chester County, Pa., 1769-71.

HODGE, J. T.—New York, N. Y. Civil War contractor of Dec. 26, 1861, for 50,000 Model 1861 Springfield rifle muskets at \$20.00 each of which 10,500 were delivered.

HODGKINS & SONS—507 Mulberry St., Macon, Georgia, 1862. D. C. Hodgkins and his three sons, N. M., Walter C. and T. G., operators of a Confederate pistol and rifled carbine factory in a shop back of their store. Sold out to the Macon Armory in the early part of the Civil War.

"In 1862 . . . they manufactured for the State of Georgia over \$100,000 worth of munitions of war and altered over 2,000 of the old flint and steel muskets into good percussion locks. They are now manufacturing for the Confederate Government rifled carbines. They forge the barrels by hand, which is very tedious and laborious work. We saw the various parts of the guns in process of manufacturing—tubes, locks, ramrods, wipers, plates, mountings, etc., all made by tools manufactured in the shop."

HODGSON & THOMPSON—Baltimore, Md. Brass barrel, flintlock holster pistol.

HOFFMAN & CAMPBELL—St. Louis, Mo. Fine walnut halfstocked percussion rifle with back action lock and engraved German silver mountings. Gold and silver bands at breech, name stamped on barrel. See Christian Hoffman.

HOFFMAN, Christian—St. Louis, Mo. 1842-1855, "journeyman gunsmith." With Tristram Campbell as "Hoffman & Co.," and "Hoffman & Campbell."

HOFFMAN & CO.—St. Louis, Mo., 1842-1855. See Christian Hoffman.

HOFFMAN, Christian—Gunsmith. 14 Charlotte, Phila., Pa., 1819.

- HOFFMAN, J.**—Lancaster, Pa., also Saltillo (?), Civil War period. Over-under percussion rifle-shotgun, two hammers and ramrods.
- HOFFMAN, J. V.**—Attica, Ind. Heavy percussion rifles. Used locks made by Tyler, Davidson & Co., and by Joseph Goulcher. Hoffman may have sold assembled arms. One of his rifles with a Tyler, Davidson & Co. lock, bore the name "Postley, Nelson & Co." on the bottom of the barrel.
- HOFFMAN, Louis**—Louis Ferdinand Alexander Hoffman, Vicksburg, Miss., gunsmith was born in Berlin, Prussia in 1823. After serving from age of 14, apprenticeship at the Borsig Machinery Shop, came to New York in 1852 and after a short stay in St. Louis settled in Vicksburg in the spring of 1853, working the shop and foundry of Zimmerman & Reading on Levee St. He opened a gunshop, was very successful and built the "Hoffman Block" on Clay St., above Washington, now occupied by O'Neill-McNamara Hardware Co., former employees and now carried on by their descendants.
- Louis Hoffman was in Vicksburg during the siege and later, at request of Liet. Burdick became master armourer for the Union forces. He made derringer pistols after the Henry Deringer type as well as percussion rifles. Died in 1814.
- HOGAN, J. B.**—North Adams, Mass., percussion period.
- HOLBURN, Casper L.**—Unidentified.
- HOLDEN, C. B.**—Cyrus B. Holden, Worcester, Mass., about 1864-68 and later. Maker of rim-fire cartridge rifles. Had been foreman in Frank Wesson's shop.
- HOLLAND, W. A.**—Boston, Mass. Maker of Holland, saw handle, percussion pistols.
- HOLLENBECK, F. A.**—Syracuse, N. Y. Invented 3-barrel breech-loading shotgun, 1911. Learned gunsmithing under R. R. Moore.
- HOLLINGSWORTH, Henry**—Elkton, Md., 1773-80. Musket barrels and bayonets during the War of the Revolution.
- HOLLIESTER, Isaac & Son**—Lichtfield Co., Conn., musket barrel manufacturer of early 1800's. Supplied Eli Whitney, Nathan Starr, Lemuel Pomeroy and Springfield Armory.
- HOLLOMON, William**—Warrenton, N. C. Percussion halfstock rifle.
- HOLLY SPRING IRON WORKS**—See Jones, McElwaine & Co.
- HOLMES, Charles**—Colton, N. Y. Percussion rifles.
- HOLMES, George H.**—Defiance, Ohio, 1867-70.
- HOLMES, R.**—Oswego, N. Y. Heavy barrel, halfstock percussion rifle.
- HOLT, P. M.**—Ashtabula, Ohio. German silver and brass mounted percussion halfstock rifle.
- HOLT, Rudolph D.**—Pikeville, Tenn., 19th-20th century. Percussion hunting and match rifles.
- HOLTRY, Joseph**—Wyomissing Creek, Pa. In 1850 operated a gun shop, which had been built by some unknown gunsmith, and used the creek water power for the operation of the gun barrel boring and grinding machinery. The Holtry shop shut down about 1875.
- HOLZMAN, E.**—Percussion match rifle.
- HOLTZWORTH, W. A.**—Flintlock Kentucky rifle.
- HOME & WHEELER**—Stevensburg, Culpepper Co., Va. Musket

makers, 1799-1802. Proposed to manufacture 1,000 muskets for the State of Virginia, Sept. 24, 1799, at \$15.00 per stand. Wheeler is believed to have been later associated with Morrison in a U. S. contract of 1808. See Wheeler & Morrison.

HOME, S.—Kentucky flintlock rifle. Probably of Home & Wheeler.

HOMER, B.—Unlocated. 1775-1806. Musket maker during the Revolutionary War. Also flintlock fowling pieces and cadet rifles.

HONAKER, Jos. or James—Pennsylvania. Kentucky turkey rifle.

HOOD FIRE ARMS CO.—Norwich, Conn. Makers of Freeman W. Hood 5-shot, rim-fire cartridge revolver patented Feb. 23, 1875, No. 160,192. See Norwich Lock Mfg. Co.

HOOD & FONCANNON—See G. H. Hood.

HOOD, Geo. H.—Columbus, Ohio, 1847-52. Associated with M. B. Foncannon in 1848-49 as Hood & Foncannon.

HOOKER, Thomas—Rutland, Vt., musket maker 1798-1801. In association with Darius Chipman, Royal Crafts and John Smith, contracted under Act of July 5, 1798 for 1,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 575 were delivered before June 10, 1801.

HOOPER, J.—Marking inside lock of Springfield musket dated 1804.

HOPKINS & ALLEN—Norwich, Conn., 1868-1915. Makers of rifles and revolvers under the Hopkins & Allen patents and Merwin and Hulbert hand arms. Absorbed during the World War I by the Marlin-Rockwell Corporation.

HOPKINS, R.—Unidentified. Percussion sporting rifle.

HORN, Conrad—Hazleton, Pa., 1820-55. Brother of William Horn.

HORN, Stephen—Lancaster and Easton, Pa., about 1770-80.

HORN, John—Cumberland mountain gunsmith. Flintlock Kentucky match rifle with Kirkman & Ellis lock.

HORN, William—Hazleton, Pa., before and after 1836. Brother of Conrad Horn.

HORNBERGER, Cyrus—Wyomissing Creek, Berks Co., Pa. Made finished rifle barrels.

HORR, Austin—Cape Vincent, N. Y. Percussion rifles.

HORTON, William—30 Moore St., New York, N. Y. 1801-02.

HOUGHTON, Richard W.—Norway, Me., percussion period.

HOWARD BROS.—Whitneyville and New Haven, Conn., 1866-69.

Hammerless, rim-fire cartridge sporting rifle and shotguns made under S. Howard patent of Oct. 28, 1862, No. 36,779, and C. Howard patents of Sept. 26, and Oct. 10, 1865, Nos. 50,125 and 50,358 respectively, and of May 15, 1866.

Though marked "Howard Bros. Whitneyville, Conn." the arms were most likely made for them by Whitney Arms Co., whose marking appears on similar models with stamping "Manfd. for Howard Bros."

HOWARD, Henry—Chattanooga, Tenn.; 19th-20th century maker of muzzle-loading rifles.

HOWE, B.—Cleveland, Ohio. Made rifles similar to those of John Vincent, Washington Co., Ohio, to whom he had been apprenticed.

HOWE, E.—Percussion target rifle.

HOWE, Harry—Lansing, N. Y., percussion period to 1880.

- HOWELL, C. W.**—Martin's Ferry, Ohio. Fullstock percussion squirrel rifle.
- HOWELL, T.**—Philadelphia, Pa. Lock marking of a Kentucky type flintlock pistol by J. Fleeger. (Connected with W. T. Howell & Co.?)
- HOWELL, H. T. & CO.**—Philadelphia, Pa. Flintlock rifle.
- HOWELL, W. T. & CO.**—Lockmakers of engraved flintlocks for Kentucky rifles. Also makers of a full stock, brass inlay, Kentucky type flintlock rifle.
- HOWINGS, U.**—Unlocated. Walnut half-stock, octagonal barrel percussion rifle.
- HOWLAND, Rufus**—Binghamton, N. Y., 1840-70. Ex-employee of Bartlett Bros. Had a shop about eight miles down the Tiouhnioga River from Marathon. During the Civil War made long range sharpshooter rifles with telescopic sights for the government. In Binghamton boarded at 10 Shady Lane.
- HOWLETT, J. W.**—Greensboro, N. C. Dec. 14, 1861. "Our fellow townsman, Dr. J. W. Howlett, has succeeded in bringing to perfection the most beautiful specimen of workmanship which we have ever seen. The gun is well designed for cavalry use, being about 20 in. in length of barrel, having a very simple lock, which by means of a spring operates so as to easily introduce the cartridge, of which several kinds are made, some being loaded in cylinders, and others of a waterproof nature. We have seen this piece tested. It will throw a conical ball 200 yards with the utmost precision and the ease with which it can be loaded—say 20 or 30 times in a minute—must recommend it to all."
- H. T.**—Initials of H. Tracy, U. S. Inspector of Arms within years 1831-1850.
- HUBBARD, Asabel**—U. S. Inspector of Contract Arms, 1818-1833. Inspected arms in the plants of R. & J. D. Johnson (and later Robert Johnson only), Simeon North, Nathan Starr, Asa Waters, Lemuel Pomeroy and Eli Whitney.
- HUBBELL, W. W.**—Philadelphia, Pa., patentee (and maker?) of Hubbell breech-loading arms patented July 1, 1844, No. 3,649. Advertised in 1849.
- HUDSON, H. T.**—Portland, Ore. Half stock percussion rifle.
- HUDSON, W. S.**—Cincinnati, Ohio, 1852-64. Percussion pistols and percussion telescope sight Civil War sharpshooters rifle.
- HUEY, Abe**—Root Hollow, Tunkhannock Co., Pa. Percussion period.
- HUELS, Frederick**—Madison, Wis. Came to Madison about 1875. Worked for August Herfurth for three years and independently from 1878 until 1909. Made fine hunting and target rifles but rarely marked them.
- HUFF, Peter**—Unlocated. Marking on the lock of a percussion Kentucky rifle.
- HUGHES, Michael**—Old Slip, N. Y. 1801.
- HUGHES & PHILLIPS**—Newark, N. J., 1862-63.
- HULDRE, Hiram**—Wyomissing Creek, Berks Co., Pa. Welded and finished rifle barrels.
- HULETT, Phineas**—Shaftbury, Vt. 1840-65. Flintlock and percussion.
- HULL, Benjamin**—Gunsmith. Sansome's Alley above Noble, Phila., Pa., 1819.

- HULL, Isaac**—U. S. Inspector of Contract Arms, (boarding pikes and ship's cutlasses) in 1808 at plant of Nathan Starr.
- HUMASON, S. H. & BRO.**—Rochester, Minn., 1868-70.
- HUMBERGER, Peter I.**—Active in Pennsylvania from about 1774 to 1791 when he moved to Perry County, Ohio.
- HUMBERGER, Peter II.**—Son of Peter I. Born in Pennsylvania Dec. 1, 1775. Moved to Ohio with his father in 1791. Learned the trade under his father and set up own establishment in Perry County. Active until his death April 19, 1852.
- HUMBERGER, Peter III.**—Son of Peter II. Born in Perry County, Ohio, Oct. 8, 1826. Learned the gun making trade under his father. Active until his death, Feb. 11, 1899.
- HUMBERGER, Adam**—Son of Peter Humberger II. Born in Perry County, Ohio, Dec. 21, 1806. Served in his father's shops and later established himself at Somerset, Ohio. Died in May, 1865.
- HUMBERGER, Henry**—Son of Peter I. Born Aug. 29, 1811, in Perry County, Ohio. After following the gold rush to California, returned east and established himself in Whitley County, Ind.
- HUMBLE, Michael**—Louisville, Ky., 1782. Maker of Kentucky rifles. Located near present 12th and Main Streets.
- HUME**—Unidentified. Flintlock Plains rifle.
- HUMMELL, F.**—Lebanon, Pa., peercussion period.
- HUMPHREY, Dan**—Maker of a curly maple, half stock, back action G. Goulcher lock, .32 caliber percussion rifle.
- HUMPHREYS, Hosea**—Pawtucket, R. I. Musket maker. Associated with Stephen Jenks in a contract under Act of July 5, 1798, for 1,500 Charleville pattern (Model 1795) muskets at \$13.40 per stand. There were 1,050 delivered by June 10, 1801.
- HUNR, Edwin**—Unlocated. Flintlock Kentucky rifles.
- HUNT, David S.**—Cincinnati, Ohio, before and after 1860.
- HUNT, Jonathan**—Richland Co., Ohio, gunsmith. 1806-1812. Traded with Delaware Indians.
- HUNTER**—Lockmaker, percussion period. A commercial, side-action, percussion lock stamped "HUNTER" and three impressions of a floral die. Stirrup on tumbler. Lock on S. J. Fosdick, Laporte, Ind., half stock plains rifle.
- HUNTER ARMS CO.**—Fulton, N. Y. Modern. Makers of L. C. Smith & Fulton shotguns.
- HUNTER, David**—Berkley County, Va. In association with Peter Light contracted Sept. 28, 1776, to supply the State of Virginia with 200 muskets at £6 per stand.
- HUNTER'S IRON WORKS**—See Hunter, James and Rappahannock Forge.
- HUNTER, James**—Stafford County, Va. Musket and saber contractor to Virginia during the War of Revolution, owner and operator of Hunter Iron Works also known as Rappahannock Forge. From mention of difficulty of obtaining sufficient workmen and ability to turn out 1,000 cavalry sabers in three or four months, in addition to gun contracts, believed to have operated a fairly large establishment. See Rappahannock Forge.
- HUNTINGTON, Gurdon**—Walpole, N. H. Musket maker. In association with John Livingston, Josiah Bellow and David Stone con-

tracted under the Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795) muskets, at \$13.40 per stand, of which 608 were delivered by June 10, 1801.

HUNTINGTON, Hezekiah—Windham, Conn. Musket maker to Committee of Safety, Connecticut. Made 340 stands of arms between 1775 and 1778.

HUNTINGTON, Simon—Repaired public arms for Connecticut. Account rendered in July, 1775.

HUNTINGTON, V.—Allenville, Pa., Kentucky rifles.

HUNTOON, Harlee J.—Ludlow, Vt. In late 1880's formed partnership with Norman Brockway and continued making Brockway rifles for about 20 years. Heavy, super-accurate percussion and pellet-primer match rifles.

HURD, Jacob—Boston, Mass., 1816-25.

HUSE, R. P.—Manchester, N. H. Percussion pistol.

HUSS, Florent—Gunsmith, Phillip corner Levee, fourth district, New Orleans, La., 1853.

HUSTON, G.—Gunsmith, 177 Circus, New Orleans, La., 1853.

HUTCHISON, E.—Unlocated. Percussion pistol.

HUTCHINSON, R. J.—Williamsport, Pa. Kentucky rifles.

HUTZ, Benjamin—Lancaster, Pa. Petitioner to 7th Congress on Jan. 23, 1803, for non-removal of import duties on arms. In 1823 built a factory in Heidelberg Twp., Lehigh Co., Pa.

HUYSLOP, R.—Also Hyslop. New York, N. Y., 1850.

H V D—Unidentified. Stamping inside lock of early flintlock Kentucky rifle.

H. V. F.—Unidentified. Marking inside the lock-plate of a Kentucky type flintlock pistol.

HYAMS, F.—Charleston, S. C., 1867.

HYDE & GOODRICH—New Orleans, La. Located at 15 Chartres in 1853. Makers of Confederate shoulder arms and importers of arms for the Confederacy. Their name marked on British made Tranter percussion revolvers.

HYDE & SHATTUCK—Hatfield, Mass., from about 1876 to April 1, 1880, when it became C. S. Shattuck. Makers of "American" single shot, tip-up shotgun.

I

I. A. A. M.—Unidentified. Kentucky rifle.

I. A. D.—Rothen Berg. Engraved on barrel of very early Kentucky (or German) rifle of Edward Marshall, who participated in the historic "Indian Walk" Pennsylvania land purchase of 1737.

I.—A. M.—Unidentified. Percussion Kentucky rifle.

ICKES, Jacob—Vicinity of Weyant, Bedford, Co., Pa., 1876.

I. E.—Unidentified. Initials stamped inside the lock of a plain, colonial flintlock musket, marked "HENRY" on lock and barrel. Possibly John Eberly, gunsmith under William Henry I, Lancaster, Pa., 1729-1786. In the late 18th and early 19th Centuries letters J and I were interchanged rather freely in writing.

- I. G.**—Possibly J. G. Full stock, flintlock Kentucky rifle with converted lock marked "W. T. HOWELL & CO."
- I. G. H.**—Unidentified, period of 1810. Flintlock Kentucky rifles. Probably same as J. G. H., percussion Kentucky rifles.
- I. H.**—Initials of Isaac Hull, U. S. Inspector of Contract Arms, (boarding pikes and ship's cutlasses) in 1808, at plant of Nathan Starr.
- I. L.**—Unidentified. Full stocked, percussion Kentucky rifle.
- INGALL, Brown**—Portland, Andover, Blue Hill, and Bucksport, Me. Percussion rifles.
- INHOFF, Benedict**—Heidelberg Township, Berks Co., Pa., 1781-82.
- I. P.**—Unidentified. Middle flintlock period Kentucky rifles of fine workmanship.
- IRVINE, Callender**—Commissary General, Military Stores, 1812-15. Negotiated arms contracts. This function taken over by Ordnance Dept. from 1816.
- IRVING, W.**—20 Cliff St., New York, N. Y., 1862-63 and after. Maker of Reid patent 6- and 7-shot rim fire cartridge revolvers. After 1863 made 6-shot percussion revolvers because of infringement on Rollin White patents controlled by Smith & Wesson.
- ISAAC, George**—Main Street, Buffalo, N. Y., 1832.
- ISCH, Christian**—Lancaster County, Pa., musket maker to Committee of Safety. Agreed to confine himself to the production of muskets and bayonets towards the fulfillment of the county quota, from Nov. 20, 1775, until March 1, 1776.
- ITHACA GUN CO.**—Ithaca, N. Y., 1873 to present.
- IVER JOHNSON ARMS & CYCLE WORKS**—Worcester, Mass., 1871-1891, Fitchburg, Mass., from 1891. Revolver and shotgun manufacturers.

J

- J. A.**—John Amos, Bedford Borough, Bedford Co., Pa.
- JACKEL, Christian F.**—Goodell near Main, Buffalo, N. Y., 1852.
- JACKSON, Cyrus**—Unlocated, period of 1800. Master craftsman of Kentucky flintlock rifles.
- JACKSON, David**—Cincinnati, Ohio, 1831.
- JACKSON, H. W.**—Unlocated, 19th century. Percussion Kentucky rifles.
- JACKSON, L.**—"JOHN WALKER" and "L. JACKSON," reported markings on a fancy curly maple full stock, percussion Kentucky rifle.
- JACKSON, S.**—Palmyra, N. Y. On lock of a mule-ear hammer heavy sniper's rifle.
- JACOB, Jos.**—Philadelphia, Pa., 1820-1850. Cased, percussion duelling pistols.
- JACOBS, Cornelius**—Friend Street, Columbus, Ohio, 1842-43. Percussion rifles and pistols.
- JACOBY, Peter**—Uniontown, Fayette Co., Pa. Percussion period.
- JACOT, W.**—Unlocated. Maker of a Kentucky type, muzzle-loading, percussion target rifle with full maple stock.

- JAEHNE, F. W.**—New York, N. Y. Schuetzen rifles.
- JAKOB, Joseph**—Philadelphia, Pa. Cased percussion duelling pistols.
- JAMES BOWN & SON**—See Enterprise Gun Works, Pittsburgh, Pa.
- JAMES & FERRIS**—Utica, N. Y. George H. Ferris and Morgan James under whom Geo. H. Ferris served his apprenticeship. Makers of a half stock, percussion match rifle with Dana & Co. lock and a Remington Cast Steel barrel, marked "JAMES & FERRIS UTICA."
- JAMES, G.**—Pennsylvania; late Kentucky rifles.
- JAMES, M.**—Pennsylvania. Expert workman; Kentucky rifle with wind gauge on muzzle.
- JAMES, Morgan**—Litchfield, Conn.; Utica, N. Y., after about 1820; corner Fayette and Seneca Streets, 1859-1866. Associated with George H. Ferris until 1859, as James & Ferris. Fine heavy match rifles with telescope sights; Civil War sharpshooters' rifles, fine with internally adjusted telescope crosshairs.
- JAMES, Robert**—3 Thames St., Fells Point, Baltimore, Md., 1796.
- JAQUITH, E.**—Revolver patentee of July 12, 1838, whose design was the basis for the later Springfield Arms Co., percussion revolvers.
- J. A. R.**—Unidentified. Percussion Kentucky rifle.
- JARECKI, H.**—Erie, Pa. Halfstock percussion rifle marked on octagon barrel.
- JARVIS, N.**—Curly maple, full stock, percussion Kentucky rifle.
- J. C.**—Initials of James Carrington, U. S. Inspector of Contract Arms, 1826-1830. Inspected arms in the plants of P. & E. W. Blake and Nathan Starr.
- J. C.**—Markings inside a Model 1816, Lemuel Pomeroy flintlock musket dated 1826.
- J. C. B.**—Initials of Joseph C. Bragg, U. S. Inspector of Contract Arms, 1841-42, at plant of Nathan Starr.
- J. C. M.**—Dayton, Ohio. Unidentified. Percussion locks marked "J. C. M." "Dayton" and letter "H" pierced by an arrow.
- J. D.**—Unidentified. Fancy flintlock Kentucky rifle with raised carving, 45 silver inlays; engraved C. Bird & Co., Phila., lock.
- J. D. J.**—Initials of John D. Johnson of Middletown, Conn., 1822. U. S. Inspector of gun barrels. See also Johnson. R. & J. D.
- JENGh**—See B. & B. M. Darling.
- JENISON, C. E.**—Percussion match rifle; percussion, saw handle pistol.
- JENISON & CO.**—Southbridge, Mass. Makers of an under-hammer percussion pistol with a saw handle grip. J. Jenison.
- JENKS, A. & SON**—Alfred and Barton H. Jenks, Civil War musket contractors with shops at Bridesburg and Philadelphia, Pa. Received the following contracts for Model 1861 Springfield rifle, muskets:
- July 13, 1861 for 25,000 at \$20.00 each,
 - Oct. 7, 1861 for 25,000 at \$25.00 each,
 - Dec. 15, 1863 for 50,000 at \$20.00 each,
 - Feb. 1, 1865 for 6,000 at \$19.00 each.
- Of the 106,000 muskets contracted for, Jenks & Son delivered a total of 98,464 between Aug. 16, 1862, and May 17, 1865. The firm also produced Needham conversions.

JENKS, Stephen—North Providence and Pawtucket, R. I., musket maker active from about 1770 to 1814, and after. Stephen Jenks was associated with Hosea Humphreys in a contract under Act of July 5, 1798, for 1,500 Charleville pattern (Model 1795) muskets at \$13.40 per stand of which 1,050 were delivered by June 10, 1801. On Oct. 25, 1808, Stephen Jenks in partnership with his son, (Stephen Jenks & Son) contracted for 4,000 Model 1808 muskets at \$10.75 per stand, duration five years, of which 2,300 were delivered by Oct. 7, 1812, and a total of only 2,875 by March 16, 1818. In addition to the above contract, Jenks, in association with one Sweet, (Sweet, Jenks & Sons) undertook on Nov. 13, 1810, to supply the government with 3,000 muskets within a period of five years. Of this contract 250 stands were delivered by Oct. 7, 1812. See also Jewett, Jenks & Sons. Stephen Jenks' sons, Arnold, David, George, Nathan (who died young), Linden, Alvin and Jerathmael had been engaged with him in the manufacture of arms.

JENKS, STEPHEN & SON—See Jenks, Stephen.

JENKS, William—Columbia, S. C. Inventor and manufacturer of the Jenks breech-loading flintlock carbine, patented May 25, 1838, No. 747, and made at Chicopee Falls, Mass. Later, Jenks side-hammer percussion rifles and navy carbines were made by N. P. Ames at Springfield, Mass., and by Remingtons at Herkimer, N. Y.

JENNINGS, J.—Elmira, N. Y. Late flintlock and early percussion rifles and "Kentucky" type pistols.

JENNINGS, Lewis—Windsor, Vt. Inventor of a tubular magazine, lever operated rifle (forerunner of the Henry and the Winchester) and a hollow base, charge carrying bullet, patent of Dec. 25, 1849, No. 6973. The Jennings rifle in turn was the development of an arm patented by Walter Hunt, Aug. 21, 1849, No. 6663. Jennings single shot arms were distributed by C. P. Dixon, agent, in New York. The maker is unknown, but possibly was Jennings. Robbins & Lawrence made 5,000 Jennings repeating rifles in 1851.

JENNINGS, Richard—1 Broadway, Cleveland, Ohio, 1869-73. Half-stock percussion rifle.

JENSON, J. or I.—New England. Fine straight-cut Kentucky rifle.

JETTER, Jacob—118 Genesee St., Buffalo, N. Y., 1862.

JEWETT, JENKS & SONS—Reported in 1818 by Colonel Decius Wadsworth of the Ordnance Office to have been given a contract for 3,000 muskets at \$13.48 per stand, of which 250 were delivered to the State of Rhode Island.

It is believed that this firm is identical with Sweet, Jenks & Sons, of Rhode Island, who contracted on Nov. 13, 1810, for 3,000 muskets of which only 250 were delivered by Oct. 7, 1812.

J. F. B.—Unidentified. Kentucky rifle.

J. G. B.—Unidentified. Half-stock Kentucky rifle with long ramrod tube.

J. G. H.—Unidentified. Percussion Kentucky rifles.

J. G. U.—Late flintlock period Kentucky rifles of fine workmanship.

J. H.—Initials of John Hawkins, U. S. Inspector of Contract Arms, 1840, at plant of Nathan Starr.

- J. H.**—Initials of James Hannis, U. S. Inspector of Contract Arms, 1841 and 1843-44, at the plant of Nathan Starr.
- J. H.**—Joseph Henry, Philadelphia, Pa., 1807-1814, before and after. Flint-lock Kentucky pistol, lock marked J. Henry, barrel marked J. H.
- J. H. H.**—Unidentified. Late percussion Kentucky rifles.
- JICHA, John**—631 Washington St., San Francisco, Calif. 1887.
- JIH**—Unidentified. Initials stamped on barrel of German silver mounted halfstock (originally fullstock?) percussion Kentucky rifle with back action lock by Moore, Henszey & Co.
- J. J. or I. I. (possibly S. S.)**—Heavy percussion Kentucky rifle with H. Elwell lock, J. B. Reynolds barrel.
- J. J.**—Unidentified. (Joseph Jacob?) Maple full-stock, octagonal barrel, percussion Kentucky rifle.
- J. J. S.**—See Suter, John J.
- J. K.**—Unidentified. Marking on an over-under, flintlock Kentucky rifle. This marking is also found on percussion Kentucky rifle.
- J. L.**—Joe Long; marking on percussion Kentucky rifles.
- J. L.**—Unidentified. (Joe Long?) Roman nose butt, flintlock Kentucky rifle.
- J. M.**—Initials of Justin Murphy, U. S. Inspector of Contract Arms, 1818-1831. Inspected arms in plants of R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr and Asa Waters.
- J. M.**—Job Marshall, Fairmont Twp., Luzerne Co., Pa. Flintlock Kentucky rifle marked "J. M."
- J. M.**—Unidentified. Markings on a full stock, percussion Kentucky rifle.
- J. N.**—Initials of John Newbury, U. S. Inspector of Contract Arms, 1818-1825. Inspected arms in the plants of R. & J. D. Johnson, Lemuel Pomeroy, Simeon North, Nathan Starr and Eli Whitney.
- J. N.**—Initials of John Nicholson, U. S. Inspector of Arms 1800-07.
- J. N. M.**—John Nicholas Medasie, Bedford Co., Pa. Maker of a full curly maple stock percussion rifle.
- J. N. S.**—Initials of J. N. Solace, U. S. Inspector of Arms within years 1831-1850.
- JOHN MEUNIER GUN CO.**—Milwaukee, Wis. See Meunier, John.
- JOHNS, Isaak**—Armorer. Was paid \$640 New Emission Currency (at rate of four to one, equal to \$160, in specie) for cleaning and repairing 80 muskets, Phila., June 13, 1781.
- JOHNSON AUTOMATICS INC.**—84 State Street Boston 9, Mass. Modern. Manufacturers of Johnson Light Machine Gun and Semi-automatic rifle, the inventions of Captain Melvin M. Johnson. At present doing custom gun work.
- JOHNSON, BYE & CO.**—50 Central St., Worcester, Mass., 1873-75.
- JOHNSON, Evan**—Reported barrel marking of an early percussion squirrel rifle.
- JOHNSON, Fred**—Illinois; percussion rifles.
- JOHNSON, G. & BRO.**—Gunder and Johannes Johnson. 238 Third St., St. Paul, Minn., 1856-70.
- JOHNSON, Henry**—Genesee Street, near Washington, Buffalo, N. Y., 1842.

- JOHNSON, I. N.**—Middletown, Conn. Contracted March 8, 1951, for 10,000 Model 1842 percussion pistols at \$6.75 each. Ira N. Johnson had been one of the partners of H. Aston & Co. of Middletown, Conn. When he obtained the contract Johnson severed his connection with the Aston Co.
- JOHNSON, Iver**—Worcester, Mass., 1871-91. Fitchburg, Mass., 1891 to date. Makers of cartridge revolvers and shotguns.
- JOHNSON, Jim**—Mt. Union, Pa.
- JOHNSON, J. H.**—Pittsburgh, Pa. Maker of a half stock, percussion squirrel rifle.
- JOHNSON, J. H.**—Waynesboro, Pa., riflemaker. Misreading for Johnston, J. H., Waynesboro, Pa.? Father of J. H. Johnston of Pittsburgh, Pa.?
- JOHNSON, J. S.**—Also Johnston. McConnellsville, Huntington Co., Pa. Maker of a curly maple, full stock, percussion Kentucky rifle.
- JOHNSON, John**—Born in Strausburg, Germany, in 1768. Settled in Bucks Co., Pa., then moved to Listie, Somerset Co., Pa. Made flintlock muskets and hunting rifles of plain type; full curly maple or walnut stock without butt plate. Some of his rifles were engraved with his name on barrel.
- JOHNSON, R.**—See R. & J. D. Johnson, below.
- JOHNSON, R. & J. D.**—Robert and John D. Johnson, Middletown, Conn., rifle and pistol makers. Contracted Nov. 23, 1814, for 2,000 full stock rifles at \$17.00, to be made after a modified M.1803 rifle pattern, as designed by Marine T. Wickham, U. S. Inspector of Arms. Few delivered before M.1817 was produced. Dec. 10, 1823, contracted for 3,000 rifles Model 1817, to be delivered at the rate of 600 per year from July 1, 1824. In July, 1829, contract for 600 "old pattern rifles" (Model 1817) was changed to 600 muskets (Model 1816).
On June 27, 1836, Robert Johnson (alone) contracted for 3,000 flintlock pistols, Model 1836, at \$9.00 each, duration June 1, 1837. March 14, 1840, R. Johnson was awarded an additional contract for 15,000 of these Model 1836 pistols at \$7.50 each to be delivered over a period of five years, at the rate of 3,000 per year. The firm was active from 1822 to 1854. The Johnson plant was located on Lower Pameacha Creek, Middletown, Conn.
- JOHNSON, S.**—Connecticut, 1843.
- JOHNSON, Seth**—Old Rutland, Mass., active 1773-77. Gunsmith to Committee of Safety.
- JOHNSON & SMITH**—Middletown, Conn., 1866-68.
- JOHNSON, Wm.**—Worcester, Mass. Fullstock brass mounted percussion Kentucky rifle.
- JOHNSON, William**—Worcester, Mass., 1787.
- JOHNSON, William**—Unlocated. Marking on barrel of a percussion period, Penna. made, Kentucky rifle.
- JOHNSTON, James H.**—Owner and operator of the Great Western Gun Works at Pittsburgh, Pa. Son of John H. Johnston. Born 1836; died about 1916. Learned the gunsmith trade under J. Senseny of Chambersburg, Pa.
- JOHNSTON, John H.**—Waynesboro, Pa. Born 1811; died 1889.
- JOHNSTON, J. S.**—See Johnson, J. S.

- JOHNSTON, Richard**—Pennsylvania musket maker; associated with Robert McCormick in a contract of May 4, 1801, with the Commonwealth of Pennsylvania for 1,000 Charleville pattern muskets.
- JONES, A.**—Littleton, W. Va.
- JONES, Amos**—Colchester, Conn., 1774-77. Musket maker to Committee of Safety. Supplied Connecticut with 10 muskets and bayonets in January, 1776, and completed and delivered 31 more in July of that year. Was paid £140, 3 sh., 4 p. in specie October, 1781.
- JONES, Charles**—Lancaster, Pa., prior to 1783.
- JONES, Geo.**—Unlocated. Penna. made Kentucky rifle circa 1820.
- JONES, John**—Musket stock maker in the employ of Col. Peter Grubb, who operated a gun skelp forge for the Lancaster, Penna., Committee of Safety in 1776.
- JONES, John B.**—Brookville, Pa. Born in Pine Creek Township, Jefferson Co., Pa., 1867. Percussion rifles. Active in 1919 in gun and watch repair.
- JONES, Joseph**—Columbus, Ohio, 1843-48.
- JONES, McElwaine & Co.**—Holly Springs, Miss. Confederate arms manufactory originally established by Wiley A. P. Jones, William S. McElwaine and Capt. E. G. Barney in 1859 on a small site of one and one-half acres as an iron works and foundry. J. H. Atley joined the firm in 1860, buying one-half of Jones one-third interest. Of the firm, McElwaine had had arms manufacturing experience in the North. With the outbreak of Civil War the firm obtained a contract from the State of Mississippi for 5,000 rifles and on July 13, 1861 a contract from the Confederate Government for 20,000 rifles and 10,000 rifle muskets. A contract was made with Charles Jones of Memphis, Tenn., for the construction of rifle-making machinery. Nine acres were acquired for an enlarged new plant which by March, 1862 was making forty rifles a day. On the approach of Federal troops the plant and the rifle-machinery contract, were bought by the Confederate Government about April, 1862, and machinery and equipment were moved to Macon, Ga., where it arrived about August, 1862. The site of the original plant was taken over and converted into a Federal Military hospital in November, 1862.
- The firm had also been known as Holly Springs Iron Works and by its corporate name of Marshall County Manufacturing Co. as chartered by the Miss. legislature in July 1861.
- JONES, Owen**—Philadelphia, Pa., about 1877. Maker of a .44 caliber tip-up revolver.
- JONES, Robert**—Lancaster, Pa., prior to 1783.
- JONES, W. E.**—Great Smokey Mountains, Tenn. Fullstock octagonal barrel percussion "hog rifle."
- JONES, William**—Bedford County, Pa., active 1777-83, in repair of public arms.
- JONES, William**—"Bill" Jones, Lineville, Wayne Co., Iowa. Came to Iowa "about the time the Kentucky rifle was losing ground in favor of the breech loader; came from Indiana or Ohio, and it seems his gun making was done back there." Reputed fine craftsman with sales mostly to neighbors, and so limited output.
- JORDAN, J.**—Unlocated. Before and after 1845. Plains rifles.

JORDAN, Jarmin—Chillicothe, Ohio, about 1830. Half stock flintlock rifle.

JORDAN, Louis D.—New York, N. Y. and later New Haven, Conn. Skilled gunmaker with World Fair 1893 prizes. Had been Works Superintendent for Maxim Munitions Corp., and Westinghouse arms plant at Springfield, Mass. making rifles and machine guns in World War I.

JORDAN, L. S.—Adams, Mass.

JOS*AN—Marking on a very early flintlock Kentucky rifle. Abbreviation for Joseph Angstatt, Penna. rifle maker.

JOSLYN, B. F.—See Joslyn Firearms Co. below

JOSLYN FIREARMS CO.—Stonington, Conn. Operated by Benjamin F. Joslyn of Worcester, Mass., in the manufacture of army percussion revolvers under the Joslyn patent of May 4, 1858, No. 20,160 and Joslyn breech-loading percussion carbines, patented Aug. 28, 1855. Joslyn revolvers and carbines were also made by W. C. Freeman at Worcester, Mass., at the Tower Junction Shop. Joslyn carbines were also made by A. H. Waters and Co. at Millbury, Mass.

The government purchased 1,100 Joslyn percussion revolvers during the Civil War for army and navy use, and a total of 11,261 Joslyn carbines were obtained by the War Department from June, 1861, to Feb. 25, 1865.

JUST—White Plains Township, Pa., 1775-76. Musket maker to Committee of Safety.

JOUSTAN, Henry—Gunsmith, Levee, bet. Sixth and Seventh, New Orleans, La., 1853.

JOY, A. S.—Maker of a full stock, curly maple, percussion Kentucky rifle with H. Elwell lock.

J. P.—Initials of Jacob Perkins, U. S. Inspector of Contract Arms, in 1821, in the plant of Asa Waters.

J. P.—South-central Pennsylvania, period of 1790. Possibly same as J. Puling. Three flintlock Kentucky rifles known.

J. R.—Unidentified. Percussion Kentucky rifles. Jacob Silvis?

J. S.—Unidentified. Kentucky rifles.

J. S.—Initials of Jacob Shough U. S. Inspector of Muskets 1809-11.

J. S.—Initials of James Stubblefield, Superintendent of Harpers Ferry Armory 1809-1817. Inspected arms made at the Armory.

J. S.—Initials of James Stillman, U. S. Inspector of Arms within years 1831-1850.

J. S. T.—Unidentified. Curly maple, full stock, brass trim, percussion Kentucky rifle engraved "J.S.T." in script on octagonal barrel.

J. T. T.—Initials of Capt. John T. Thompson, Ord. Dept. Inspector 1903.

JUDD, C. W.—Marking of a swivel-breech double rifle. Walnut half stock, brass time, oval patch box, set triggers.

JUDD, G.—Near Meadville, Pa., early 1870's. Percussion target rifle.

JUDSON, Henry—Avery, Iowa, 1875-1900. Veteran of Civil War. Came from Moravia, Iowa, and made guns for at least twenty years at Smoky Hollow, Iowa, and at Hickory Grove. Maker of fine, engraved percussion target rifles inlaid with gold, silver and ivory, and equipped with false muzzle and telescopic sights. Also

made to order fine percussion hunting rifles, plain and fancy, and later, single shot cartridge rifles. His personal .58 caliber target rifle, of great accuracy, weighed 58 pounds.

JUFORGUL, Pierre—Gunsmith, 24 St. Ann, New Orleans, La., 1853.

JUGHARDT, C.—Main Street, Fostoria, Ohio, 1865-69.

JULCHER, G. G.—Marking on the lock of a Kentucky rifle.

JUNE & REED—Boston, Mass. Makers of percussion sporting rifles.

JUSTICE, Philip S.—Philadelphia, Pa. Civil War contractor for 400 muzzle-loading, brass furniture, percussion muskets of the Enfield type.

JUZAN, Louis—Gunsmith to P. Bouron, New Orleans, La., gunmaker.

J. W.—Initials of Joseph Weatherhead, U. S. Inspector of Contract Arms, 1821-25. Inspected arms in the plants of R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr and Asa Waters.

J. W.—Unidentified. Percussion Kentucky rifle with artificially striped stock.

J. W. G.—Unidentified. Late percussion Kentucky rifle.

J. W. R.—Unidentified. Flintlock Kentucky rifle with 2 patch boxes; one on each side of the stock.

K

K—Over a leaping animal (buck or rabbit), $\frac{1}{4}$ " x $7/32$ " proofmark on a late percussion Kentucky rifle barrel bored out smooth to .69 caliber, with Jas. Golcher, Philadelphia, back action lock.

KAIL, Wm.—Maker of half stock, curly maple, percussion rifle with oval patch box and brass furniture.

KAMF, Henry—Collomsville, Pa.

KANE, P.—Unlocated. Maple half-stock, .36 caliber octagon barrel percussion plains rifle.

KANSTEINER, William—Hannibal, Mo. Born in Germany in 1829. Emigrated to U. S. to become apprentice with Henry W. Breick, in St. Louis, in 1847.

KANTS, F. (or Kantz)—Unlocated. Fine flintlock Kentucky rifle with ornate patchbox, lock and hardware finely engraved.

KANTZ, E.—Unlocated. Skilled maker of Kentucky rifles. Same as F. Kants or Kantz?

KASCHELINE, Peter—Northampton County, Pa., 1775. Musket maker to Committee of Safety.

KASSAN, William M.—Columbus, Ohio, 1835.

KAUP, Eli—Unidentified. Percussion Kentucky rifles.

KAUP, Levi—Union County, Pa. See Caup, Levi.

KAUTZKY, Joe—Fort Dodge, Iowa, 1897-1939. Learned the trade working with his father in Austria. Later practiced in Vienna in an establishment making high grade, hand made guns. After coming to U. S. "made several complete guns."

KEADING, C. H. V.—418 Washington St., San Francisco, Calif., 1861.

KEARLING, Samuel—Amity Township, Berks Co., Pa., 1779.

KEEFER, J. C.—Early percussion Kentucky rifles.

KEELEY, Matthias—Pennsylvania musket maker. Contracted March

2, 1776, with the Province of Pennsylvania for 100 firelocks. Thirty-one were delivered and ordered proved by firing, March 2, 1776. Forty-two more were delivered Nov. 8, 1776, and a lot of 36 on Feb. 27, 1777.

KEELEY, Sebastian—Pennsylvania, 1775. Engaged to make 100 firelocks according to pattern for the Province of Pennsylvania to be delivered at six per week until he "compleats 100."

KEEN, WALKER & CO.—Danville, Va. Confederate arms manufactory. Advertised for 20-30 gunsmiths June 26, 1862. Believed to have made the Read carbine, made under Confederate patent No. 154 of March 20, 1863. Probabilities are that Keen Walker & Co., were the backers, with Read in charge of shop operations.

KEENER, Jacob—Baltimore, Md., 1802.

KEENER, John and Peter—North Green St., Old Town, (now Exeter St.) Baltimore, Md., 1796-99. Name changed to Keener & Sons in the 1802 Directory. Firm active to 1831.

KEENER, Samuel—Baltimore, Md., Revolutionary War period.

KEENER & SONS—See John & Peter Keener.

KEEPORTS, George P.—Keeper of Public Arms, Baltimore, Md., 1776-79.

KEERAN, L.—Maker of a walnut half stock, German silver trim, percussion sporting rifle.

KEFFER, Jacob—Lancaster, Pa., 1802-1820. Flintlock Kentucky rifle.

KEIM, John—Reading, Pa., gunsmith. Carried on the gunsmith business established by Worley on Wyomissing Creek, Pa., in 1811. Had been Worley's superintendent. The shops subsequently came in possession of Nicholas Yokum & Son, who had furnished the iron for the Keim shops, and in turn, later were sold to Franklin K. Schnader, who improved the buildings and erected a dam. The Schnader plant was still in operation in 1890, under the management of Nathaniel Schnader, son of Franklin K.

KEIFFLER—(South-central Pa.?) Maker of a walnut stock, Kentucky type percussion rifle.

KEITH—Philadelphia, Pa. Breech-loading Kentucky rifle.

KEITH, H.—Unlocated. Kentucky rifles. Possibly same as Keith of Philadelphia.

KELKER & BROS.—Harrisburg, Pa., gun-lock makers.

KELLAR—Maryville, Tenn. Fullstock percussion Kentucky rifle.

KELLER—Houstontown, Pa.

KELLER, C.—Evansville, Ind. Percussion halfstock rifle.

KELLER, I.—Cumberland Valley, Pa., Kentucky rifles.

KELLER, I. or J.—Carlisle, Cumberland Co., Pa. Fine 15-lb. flintlock Kentucky match rifle, period of 1820; early percussion Kentucky rifles; later rifle with back-action lock.

KELLER, J. W.—Casey, Ill. Reported maker of plain, fullstock percussion Kentucky rifle.

KELLER, Z.—Carlisle, Pa., rifle maker.

KELLOGG BROS.—New Haven, Conn., 1850-90.

KELLY, Samuel—Pennsylvania; Kentucky rifles.

KELTON—Unidentified.

KEMMERER, David—Carbon County, Pa.

KEMMERER, David, Jr.—Lehigh, Pa. Son of David Kemmerer, above.

KEMP, Bennie—Unlocated. Maker of a long slim rifle.

KEMP, W.—Unlocated.

KEMPTON, Ephraim—Salem and Boston, Mass., 1677.

KENDALL, N.—See Kendall, N. & Co., below.

KENDALL, N. & CO.—Windsor, Vt., 1835-43. Makers of a 5-shot under-hammer, percussion rifle with a sliding breech block. Kendall's associates in the manufacture of this arm were Hubbard and Smith. Originally the Kendall arms were made at the Windsor prison, using prison labor in addition to that of a number of free mechanics who did the finer work. Probabilities are that the barrels for the Kendall rifles were made by Eliphalet Remington, at Ilion, N. Y. Kendall & Co. gave up the gun business in 1842, and in 1843 N. Kendall in association with Richard S. Lawrence established a gun shop, in which they were joined by S. E. Robbins in 1844. See Robbins, Kendall & Lawrence.

KENDALL, Nicanor—Windsor, Vt., 1835-1843. See N. Kendall & Co. Underhammer percussion rifles with 5-chamber sliding breech-block, side-hammer hunting rifle, heavy target and Kentucky pistols, shotguns.

KENNEDY—See Logan & Kennedy.

KENNEDY, E. E. & CO.—Unidentified. Percussion rifle, apparently conversion from flintlock.

KENNEDY, Martin F.—163 Third St., St. Paul, Minn., 1867-69.

KENNEDY, E. M.—Unidentified.

KENT—Lock marking of a Model 1795, maple stocked musket believed to have been made on contract by Mathew & Nathan Elliott, of Kent, Connecticut, under Act of July 5, 1798, for 500 Charleville type muskets. 235 delivered by June 10, 1801.

KENTON, G. S.—Unlocated. Percussion telescope pistol.

KERKSZROEZER, F. & CO.—St. Louis, Mo., percussion Schuetzen rifles.

KERLIN, John—Bucks County, Pa., musket maker to Committee of Safety. Contracted for 50 muskets and bayonets on July 18, 1776, the arms to be made according to pattern, at 85 shillings each. John Kerlin is recorded in Chester County in 1766-68.

KERLIN, John, Jr.—Bucks County, Pa., musket maker associated with Samuel Kerlin in a contract of May 2, 1801, with the Commonwealth of Pennsylvania, for 500 Charleville pattern, (Model 1795), muskets. They obtained a contract for an additional 500 on June 30, 1801. In February, 1811, John Kerlin as surety for John Miles, Jr., took over the defaulted Miles contract of July 20, 1808, for the balance of the undelivered arms. About 1826, when Congress authorized a refund for improvements and modifications made in contract muskets of 1808 involving deviation from pattern, the Estate of John Kerlin received the reimbursement. Probabilities are that no changes were made in the Miles marking when Kerlin took over the contract.

KERLIN, Samuel—Bucks County, Pa. Associate of John Kerlin, Jr., in contracts of May 2, 1801, and July 30, 1801, for 500 muskets each, with the Commonwealth of Pennsylvania.

KERLING, John—Employed in 1810 as musket barrel maker by Joseph Henry and Abraham Nippes.

KERN, Daniel—Pennsylvania; making flintlock Kentucky rifles in 1776.

KERN, Frederick R.—Lancaster, Pa., 1857.

KERN, Reinhard—Lancaster, Pa., 1857.

KERR, Michael—Philadelphia, Pa., 1790.

KESSLER, John—Weston, Mo., about 1840-60.

KETLAND, John and Thomas—Philadelphia, Pa. Contractors on Nov. 15, 1797, with the Commonwealth of Pennsylvania for "ten thousand stands of arms . . . of the fashion or pattern of the French Charleville Musquet . . . to be stamped or marked near the breech with letters C. P. . . the weight of the musquet and bayonet thus compleated not to exceed eleven pounds.'" This contract which the Ketlands expected to fill with British arms, was not fulfilled as the British government would not permit the export of arms. The Ketlands are known to have made locks for Kentucky rifles, and usually stamped their name inside the lock-plate.

The Ketlands, residents of Philadelphia, were connected with the firm of Thomas Ketland, well known arms makers of London and Birmingham, England, 1750-1829. It is believed that the Philadelphia branch retailed imported gun parts, especially flint rifle and musket locks, European locks being less costly and on the whole well made. The Ketlands also stocked muskets assembled from imported parts, using walnut and curly maple stocks. A colonial flint musket is known, full stocked in curly maple with barrel marked "LONDON" and London Gunmakers proof, and lock plate, marked "KETLAND & CO." Another similar musket is known, walnut stocked, with like type of English, engraved brass furniture.

It is possible that the Philadelphia branch secured and used on non-contract or commercial muskets a shipment of 1,551 imported, gooseneck hammer, Ketland locks marked "UNITED STATES," which had arrived at Philadelphia on or about 15th July 1800, on order of U. S. Government and are believed to have been rejected. Such a short musket, similar in general appearance and engraved furniture to the above arms, is known, equipped with a lock marked externally "KETLAND & CO." and "UNITED STATES," and stamped inside "T.K." for Thomas Ketland.

It is not known, and doubtful, if any Ketland locks were made in Philadelphia. Imports, as mentioned above, were satisfactory from the procurement and manufacturing standpoints, and were less costly due to lower labor costs abroad. Evidence of Ketland locks originally marked, (not overstamped), "Philadelphia," or made to original percussion system is lacking.

KEY, R.—Central Pennsylvania.

KHAN, W. T. C.—Philadelphia, Pa., 1840.

KIBLAR, Jacob—Marking on an early percussion rifle typical of the southern Kentucky mountain type, with iron hardware, no butt plate and grease-hole in lieu of a patch box.

KILE, Nathan—Raccoon Creek, Jackson Co., Ohio, 1817-1824.

KILES, N.—Unlocated. Halfstock, brass patchbox, late flintlock rifle. (Same as Kile, N.?)

- KILLIAN, George**—Lancaster, Pa., 1857.
- KILLOGG, A. A.**—New Haven, Conn., 1874-76.
- KILPATRICK, D.**—Philadelphia, Pa. Silver-mounted, short, percussion Buffalo rifle.
- KIMMERER, David**—Carbon Co., Pa.
- KINCAID, J. or I.**—Maker of a plain, southern style, flintlock Kentucky rifle, (converted with lug in original gooseneck hammer), with a W. T. Howell & Co. lock.
- KINDER, Samuel**—Philadelphia, Pa., gun-lock maker to Committee of Safety. With James Walsh in December, 1776, petitioned to Committee of Safety for redress (on contracted arms) due to high cost of tools, material and labor. Earlier, in November, 1776, Kinder was one of the petitioners representing Philadelphia gun makers, complaining to the Committee of Safety against the high and rising cost of materials entering into gun making and quoting advances in prices within one year.
- KING**—New London, Huron Co., Ohio.
- KING, Frederick**—Lancaster, Pa., 1857.
- KING, P. P.**—Celina, Ohio, 1845-85.
- KINGSLAND, R. & CO.**—Makers of flintlock Kentucky rifle locks.
- KINGSLEY, Henry B.**—Breechloading pistol. Worked for Colt in 1865.
- KINSEY**—Newark, N. J. Over under, swivel-breech, percussion double rifle with one barrel smooth bored. Walnut stock with patch box and cheek piece.
- KINSLEY, Adam**—Bridgewater, Mass. Musket maker, in association with James Perkins contracted under Act of July 5, 1798, for 2,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. There were 1,550 delivered by June 10, 1801.
On Oct. 20, 1808, Adam Kinsley in association with French and Blake, (French, Blake & Kinsley) contracted for 4,000 Model 1808 muskets, duration 5 years. Of these 2,175 were delivered by Oct. 7, 1812.
- KINTNER, John Simon**—Harrison County, Ind. Maker of rifles and shotguns late flintlock period. Born at Lancaster, Pa., about 1800, of Dutch parents.
- KIRCHBERG, William M.**—Philadelphia, Pa., 1840. Muzzle-loading, double-barrel, needle-fire, hammerless shotguns.
- KIRCHMAN, E.**—Danville, Pa., 1835.
- KIRK**—Unidentified, 1863.
- KIRKMAN BROS.**—Nashville, Tenn., 1835-1857. (Connected with Kirkman & Ellis?)
- KIRKMAN & ELLIS**—Nashville, Tenn. Flintlock holster pistol similar to English Dragoon; flint rifle locks; percussion rifle.
- KIRKMAN, John**—Ashville, Pa. Marking on a lock of a flintlock Kentucky rifle by "P. A."
- KIRKWOOD, David**—Boston, Mass., 1883-88.
- KIRSCHBAUM, E.**—Danville, Pa., 1830.
- KISER, A.**—Unlocated. Highly ornamented flintlock Kentucky rifles.
- KITCHEN, Wheeler**—Luzerne County, Pa.
- KITTINGER, J.**—Percussion rifles.
- KITTINGER, L.**—Unlocated. Halfstock, half-octagon barrel percus-

sion rifle: "L. KITTINGER" engraved behind rear sight, on barrel.

KITTRIDGE, B.—Main Street, Cincinnati, Ohio; active 1845-73. Listed as Eaton & Kittridge in 1851, and as B. Kittridge from 1859 to 1873. Rifles and accessories.

KITTRIDGE & CO.—See B. Kittridge.

KLASE, Abner—Ringtown, Pa., in 1840; Quaker gunsmith. Long-barreled by Kentucky rifles, stocked by his wife.

KLATTENHOFF, John—Colorado Springs, Col., 1878-80.

KLEIN, George—New York, N. Y., 1800. Engraved flintlock on ornate Kentucky rifle.

KLEIN, Philip H.—Ave. C at 9th St., New York, N. Y., 1847-1908. Percussion and needle-fire rifles.

KLEIN & CARR—819 Market St., San Francisco, Calif. 1887. Klein believed to have made high grade air guns.

KLEINE, George—Philadelphia, Pa., 1808.

KLEINHENN, Emanuel—St. Louis, Mo., before and after 1860.

KLEIST, Daniel—Bethlehem Township, Easton Co., Pa., before and after 1785-86. Made arms for the Moravian Store, Bethlehem. Died in 1792.

KLEPZIG & CO.—212 Washington St., San Francisco, Calif., 1858-60; 763 Washington, 1861-65.

KLIEMEKEN, H.—Trinidad, Col., 1875.

KLINE, C.—Pennsylvania pistol maker, flintlock period.

KLING—Central Pennsylvania; percussion Kentucky rifles.

KNAPP—Pennsylvania, period of 1820. Fine flintlock Kentucky rifles.

KNIGHT, C. J.—Unlocated. Silver inlaid percussion Kentucky rifle with openwork patchbox.

KNIGHT, S. A.—Unidentified. Flintlock rifle.

KNOBLE, B.—Takoma, Wash. Experimental automatic pistols. One of cal. .45 tested by Army Board in 1907.

KNOXVILLE ARSENAL—Knoxville, Tenn. A Confederate plant engaged prior to 1863 in the modification and rifling of miscellaneous arms to .58 caliber, for the use of troops.

KNUPP, C. Monroe—Bakersville, Somerset Co., Pa., gunsmith, about 1910.

KNUPP, Eli—Bakersville, Somerset Co., Pa., maker of percussion rifles.

KOCH, H.—Pennsylvania, about 1810. Maple full-stock flintlock Kentucky rifle.

KOCH, John—Rock Island, Ill., 1851-1919. Born in Switzerland July 17, 1829. Finished arms apprenticeship in 1850 and emigrated to U. S. in 1851, to settle at Rock Island. Made rifles and repaired. Still worked some at the bench at age of 91.

KOCHLER, P.—Lewisburg, Pa. Superposed barrel percussion Kentucky rifles.

KOEHLER, Gus—See Hans F. Koehler.

KOEHLER, Hans Frederick—20 York St., Newport, Ky. Born in Duchy of Saxony, Germany, 1833, where he learned the trade. Emigrated to U. S. in 1860. After working for B. Kittridge and for Bandle Gun Co., in Cincinnati, Ohio, established his own business, which, after his death in 1880 was carried on by his son Gus.

- KOEKLER**—Cairo, Ill. Heavy percussion target rifle.
- KOESLER**—Unidentified.
- KOHL, Conrad**—Wyomissing Creek, Pa. Built a gun shop in 1851. Retired about 1862, and the shop changed into a saw mill.
- KOLB, Henry M.**—Philadelphia, Pa., before and after 1910. Maker of rim-fire 6-shot .22 cal. revolvers, "Baby Hammerless." Business taken over by R. F. Sedgely about 1930.
- KOONS, Frank**—Berks County, Pa. Kentucky rifles.
- KOONS, Fred A.**—Berks Co., Pa. Flintlock Kentucky rifle.
- KOONS, H.**—Unidentified. Flintlock Kentucky rifles, circa 1775.
- KOONS, Isaia**—Adamsburg or Adamstown, Pa. Kentucky rifles.
- KOONTZ, A.**—Pennsylvania. Good Kentucky rifles. See A. Kunts.
- KOONTZ, J.**—Pennsylvania. Fine craftsman; Kentucky rifles. Perhaps same as J. Kunz or Kuntz, Philadelphia, Pa. Cf. also Joseph Coons, Philadelphia.
- KOPP, Andrew**—York County, Penna. Maker of a relief carved percussion Kentucky rifle of fine workmanship.
- KOPP, G.**—Pennsylvania. Flintlock Kentucky rifle.
- KOPP, J.**—Unlocated. Late percussion Kentucky rifles.
- KOPPICUS, Adolph**—One of the first Sacramento, Calif., gunsmiths. Made fine, half stock, percussion rifles including heavy .45's and .50's. Also reputed to have worked in San Francisco and (?) Placerville. Listed in Sacramento City Directories 1853-54 to 1875. Born in Germany in 1809. Died in San Francisco, Calif., June 28, 1882, at the age of 73. Buried in Sacramento City Cemetery, lot 435. The Directory of 1856 shows that he was married and had seven children.
- KOR, C.**—Unlocated. Flintlock Kentucky rifles.
- KORNMAN, A. D.**—Central Pennsylvania. Early percussion Kentucky rifles.
- KOUGH, B. J.**—Huntingdon County, Penna. Fullstock percussion Kentucky rifles. Fine workmanship, inlays and engraving.
- KRAFT, Jacob**—Lancaster Borough, Lancaster Co., Pa., 1773-82.
- KRAFT, P. W.**—Columbia, S. C., 1840. Cased pairs, duelling pistols. Also halfstock percussion rifles.
- KRAMMER**—Pennsylvania. Percussion rifles.
- KRETZEL, A.**—St. Louis, Mo., and Jerseyville, Ill., 1857. Percussion fowling piece and percussion pistol.
- KREUTNER, Christian**—Operator of a small gun factory employing ten or twelve men at 14 North Perry St., near Dexter (now site of Hotel Arlington), Montgomery, Alabama, from about 1848 until 1884.
- Born Oct. 14, 1819, at Balingen, Grand Duchy of Baden, Germany. He lost his father at age of two, was raised by an uncle, and was apprenticed to the gun making trade. After finishing his apprenticeship, he went to Besancon, France to learn the finer points of the trade. There at 21, he was notified that he was up for draft for the German army and advised by his uncle to "go west." In 1840 he left France for U. S. via Marceilles to New Orleans and up to Cincinnati. There he met and married Katherine Herbst. In 1846 with his wife and two children he went south, via Memphis, where they stayed ten

months, to Montgomery, Alabama, where he settled and worked until his death Oct. 9, 1884.

He gained a fine reputation for honesty and fine and handsome arms, including a special three-barrel breech-loader made for David Crawford, State Treasurer.

During the Civil War he served as captain at the Montgomery Arsenal with duty of making and repairing Confederate and captured arms in his shop. Between 1 October 1863 and 1 November 1864 Christian Kreutner furnished 36 Mississippi rifles (M. 1841) to the State of Alabama. Probabilities are more were furnished, but no records available.

KRICHBAUM, E.—Danville, Pa., 1830.

KRICK, Isaac—Wyomissing Creek, Berks Co., Pa. Made finished rifle barrels.

KRIDER, John—Upper Salford Township, Philadelphia Co., Pa., 1769.

KRIDER, John H.—Second and Walnut Streets, Philadelphia, Pa., in 1826. Active about 1820-70. Made brass mounted long arms similar to the Model 1841 rifles, and percussion derringers.

KRINKLE—Philadelphia, Pa., 1810-14. Musket maker. (Same as Kunkle?)

KRUEGER, H.—10 South 2nd St., Minneapolis, Minn., 1877-80.

KRUMM—Mt. Union, Pa. Kentucky rifles.

KRYTER, Charles A.—115 Market St., Wheeling, W. Va., 1874-76.

KUGLER, A.—Kingston, N. Y. Early air rifle.

KUHN, Wm.—W. Main St., Mt. Joy Borough, Lancaster, Pa., 1869-1870.

KUHNS, D.—On barrel of converted flintlock Kentucky rifle. Possibly same as Daniel Kuntz.

KUNKLE—Philadelphia, Pa., musket maker, 1810-14. Offered to supply the Committee of Defense of Philadelphia with 3,000 muskets, Aug. 30, 1814, at \$14.50 each.

KUNTS, A.—Straight-cut flintlock Kentucky rifle with barrel by J. Worly. Probably same as A. Koontz.

KUNTZ, Daniel—Philadelphia, Pa.; Kentucky rifles. See D. Kuhns.

KUNZ, J.—Also I. Kunz; also Kuntz. Philadelphia, Pa. Flintlock rifles and pistols.

KUNZ, Jacob—Philadelphia, Pa. Also I. Kunz and Kuntz. Listed as gunsmith on Germantown Road above Green, in 1819-29. Flintlock rifles and pistols.

KUNZ, P.—Pennsylvania. Revolutionary War period.

KUSSMAUL, William J.—Baltimore, Md., 1860.

K W & A—Stamping inside a flint Kentucky rifle lock marked externally "KETLAND & CO." Probably Ketland, Walker & Adams, listed in Birmingham, England in 1818. Though not American gunmakers, listed as marking likely to be found on American made rifles.

KYNOCH GUN FACTORY—Aston (?). Makers of a bolt action musket marked "Kynoch's patent."

L

- L. A. B.**—Unidentified. Flintlock Kentucky rifle of good workmanship.
- LACAVE, C.**—Canton, Ohio, 1880-83.
- LADD**—529 Kearney, San Francisco, Calif. Gunsmith, 1887.
- LAETHER, Jacob**—Also Leather, Leathers, Lether or Letter. York Pa., musket maker associated with Kunrat Welhance in a contract of April 11, 1798, with the Commonwealth of Pennsylvania for 1,200 Charleville pattern muskets. July 11, 1801, proposed to furnish the State of Virginia with 4,000 stands of arms at £5-0-6, Pennsylvania currency per stand. Sept. 14th modified his bid to "same price as others who have offered" (\$11.00 by Peter Brong, Abraham Henry and Henry Defuff). See also Lether & Co.
- LAGOARGE, Bernard**—205 Washington St., San Francisco, Calif., 1856-60; 730 Washington, 1861-65. "Makes and repairs all kinds of arms." Had shooting gallery. Advertised in French also.
- LAGUNBRA**—Pennsylvania. Unidentified.
- LAMB, A. & CO.**—Jamestown, Guilford Co., N. C., about 1875. Makers of percussion rifles.
- LAMB, A. & W.**—Jamestown, Guilford County, N. C. Late flintlock period fullstock rifle without patchbox.
- LAMB & ARMFIELD**—Jamestown, Guilford Co., N. C. Makers of Kentucky rifles sold in western part of North Carolina, in Tennessee and Kentucky. Joseph S. Armfield of the firm was born in 1823 and died in 1884. He was a strong and outspoken Union sympathizer and suffered considerable hardships during the Civil War. The Lamb Armory during the war was operated by John J. Armfield, son of Joseph S. The armory discontinued production about six months before the end of the Civil War, and John J. Armfield was conscripted. He was taken prisoner two days before Lee's surrender and died in the Union prison at Point Lookout, a few days after Lincoln's assassination.
- LAMB, H. C. & CO.**—Two miles north of Jamestown, near Greensboro, N. C. Makers of Confederate Model 1841 type rifles, made without a patchbox. Contract of 1861 for 10,000 rifles for State of North Carolina. Small output.
- LAMB & SON**—Southern makers of Kentucky rifles.
- LAMB, William**—Deep River, N. C. About 1860.
- LAMBE, Anderson**—Bull Run Creek, N. C.; also Deep River near Jamestown, Guilford Co., N. C., Civil War period and earlier. See A. Lambe & Co., Clark & Lambe. Percussion rifles.
- LAMBERT, George**—Phila., Pa. Listed at 10 Green, in 1829.
- LAMEY, M.**—Unlocated. Early percussion Kentucky rifles.
- LAMSON, E. G. & CO.**—Windsor, Vt., about 1864-67. Manufacturers of Civil War arms, including Ball & Lamson carbines, 1,002 of which were purchased by the government, and of Palmer breech-loading, cartridge carbines, patented Dec. 22, 1863, No. 41,017, 1,001 of which were bought by the War Department June 15, 1865, too late to be used in the Civil War. See Robbins & Lawrence.
- LAMSON, GOODNOW & YALE**—Windsor, Vt., 1855 to about 1864. Civil War contractors for Springfield Model 1861 rifle muskets; July 11, 1861, for 25,000 at \$20.00 each, and Oct. 7, 1861, for an additional 25,000 at the same price. Both contracts completed by July 30, 1863. The lock-plates of these arms are marked "L.G.&Y."

The company were the successors of Robbins & Lawrence of Windsor, Vt., and were in turn succeeded by E. G. Lamson & Co. See Robbins & Lawrence.

LAMSON, J.—Bennington, Vt., Civil War period.

LAMSON, Thomas—Bennington, Vt. Heavy percussion match rifle.

LANCASTER ARMS COMPANY—Lancaster, Pa. Made a single trigger for double barreled shotguns. About 1910-11.

LANCASTER RIFLE WORKS—Lancaster, Pa.

LANDENSCHLAGER, H.—Muncie, Ind.

LANDER, C.—Unlocated. Lock marking of flintlock Kentucky rifle.

LANE & READ—Boston, Mass., 1826-36. Made muskets for Massachusetts, to equip the State militia.

LANE, William—Lancaster County, Pa., before and after 1777-83. Gun stocker, sub-contractor to the Pennsylvania State Gun Factory at French Creek. Contracted with Peter De Haven, superintendent in July, 1777, to stock 30 muskets. Petitioned to Supreme Executive Council, June 25, 1780, for payment for 14 stocked muskets requisitioned from him by an armed detail, for which he had to make good to Peter De Haven.

LANG, J.—Unlocated.

LANGDON, W. C.—Boston, Mass., 1857-63.

LANGDON, W. G.—Boston, Mass. Maker of snipper (sniper) rifles during the Civil War.

LANGSDORF, O.—Stamped in the stock of a fancy Schuetzen walnut stocked percussion rifle with dolphin hammer and silverplated brass mountings.

LAQUEQUIST, Carl—Macon, Ga., designer, patentee and maker of a "Self-Capping Gun" carrying from "Ten to Fifty charges," patented by the Confederate States January 2nd, 1862. Trial fired April 29, 1862 and enthusiastically reported on my Macon Telegraph on April 30, as to speed, penetration and facile operation. But, the specimen demonstrated apparently was the only one made.

LARGE, William—R. D. 1, Ironton, Ohio. Modern; muzzle-loading rifles and gunsmithing.

LARSON, W. H.—Harrisburg, Pa. Late flintlock period.

LASH, J.—Marrsville, Ohio, 1817. Flintlock rifle.

LATIL, L. A.—Baton Rouge, La. Percussion period.

LATHROP, Samuel B.—Arms stocker, Springfield Armory, 1818.

LAUCK, S.—Probably Pennsylvania. Kentucky rifle used by Confederate soldier during Civil War. Another with tapered octagon barrel, name in script, long patchbox with secret release in the hinge, and pre-converted flintlock.

LAUFMAN, P. H.—Pittsburgh, Pa. Fullstock percussion rifle.

LAUTZ, BECKET & MINET—15 Morton Pl., Boston, Mass., 1868.

LAWING, AMBROS.—Unlocated. Peculiar late flintlock Kentucky rifle with cartwheel-design inlays and incised carving; crude mountings, odd patchbox marked "PATENT SECURED"; factory lock.

LAWLESS, P. I.—Unlocated. Percussion Plains rifle, walnut full-stock, date 1859 carved in butt.

- LAWRENCE**—Philadelphia, Pa. Maker of flintlock holster pistols. Listed in city directories from 1821 to 1829.
- LAWRENCE, J. F.**—Maker of a back action lock, full maple stock, brass trim, Kentucky type, percussion rifle. (Lock maker only?)
- LAWRENCE, William**—Laconia, N. H. Percussion target rifles and target pistols with extension stocks and bullet starters.
- LAWRENCE, Richard S.**—Born at Chester, Vt., in 1817. Richard Lawrence moved to Jefferson County in his early childhood, spending his boyhood in the vicinity of Watertown. In 1838 after completing a short tour of duty with the army, he went to Windsor, Vt., where he spent four years working for N. Kendall & Co., learning the arms manufacturing business, at the salary of \$100.00 per annum. In 1842, the company gave up arms making, and in 1843 Lawrence became associated with N. Kendall as a partner in a gun making shop. They were joined by S. E. Robbins in 1844, establishing the firm of Robbins, Kendall & Lawrence. Kendall withdrew from the firm in about 1847. In 1853 Lawrence went to Hartford to open a branch for the manufacture of Sharps and British Enfield carbines. The firm failed in 1855, and Lawrence took charge of the operation of the Sharps Co. plant at Hartford. See Robbins & Lawrence.
- LAWRENCE, Thomas**—Armorer. Was paid \$720 New Emission Currency (at rate of exchange four for one, equal to \$180, specie) for stocking and repairing 60 pairs of pistols, at Phila., June 26, 1781.
- LAWRENCE, Thomas D.**—Lancaster, Pa., 1857.
- LAWRENCE, William**—Laconia, N. H., 1841 and later. Detachable stock, pistol-carbines, percussion fowling pieces and breech-loading shotguns.
- LAWREY, David**—Also Lowery. Wethersfield, Conn. Exempted in Connecticut from military duty, as a maker of gun-locks. Recorded June 9, 1777.
- LAYENDECKER, George**—Allentown, Pa., about 1774-83. At one time an employee of the State Gun Factory, prior to its removal from Allentown to Philadelphia.
- LEACH, Judson**—Gouverneur, N. Y. No details.
- LEADER, Richard**—Boston, Mass., 1646.
- LEAMING, F.**—Philadelphia, Pa. Lock marking of a flintlock Kentucky rifle marked "Ford" on barrel.
- LEAMY, Michael**—Pennsylvania, period of 1812. Fine over-under flintlock Kentucky rifle.
- LEATH, John**—Atchison, Kansas. No details.
- LEATHER, Jacob**—See Laether, Jacob, and Lether & Co.
- LEATHERMAN, F.**—Dayton, Ohio. 1822.
- LEATHERMAN, Fred**—Dayton, Ohio, 1874-76.
- LEAVITT, Daniel**—Springfield, Mass., early percussion revolvers, patented April 29, 1837, No. 182. Believed to have been manufactured by Edwin Wesson.
- LEBAN, Valentine**—Bedford Borough, Bedford Co., Pa., 1820.
- LECHILER**—Philadelphia, Pa. Flintlock period.
- LECHLER**—Lancaster, Pa., 1857, percussion Kentucky rifles.

LECHLER—Philadelphia, Pa. Percussion, Kentucky type duelling pistols. (Same as Lechiler above?)

LECHLER*—Barrel marking of a flintlock Kentucky rifle of about 1815. One of the Lechlers above?

LECHLER, Harry—Superintendent, Springfield Armory, Sept. 1, 1813 to January 15, 1815.

LECHLER, H. Jr.—Phila., Pa. Listed as gunsmith at 133 Front, in 1829.

LECHLER, Jacob—Phila., Pa. Listed as gunsmith at Lilley Alley, in 1829.

LEDUC, Theodore—Gunsmith, 38 Conde, New Orleans, La., 1853.

LEE ARMS CO.—Bridgeport, Conn., 1879 to about 1880. Makers of the Lee navy magazine rifle, J. P. Lee patent of Nov. 4, 1879. The firm was connected with the Sharps Rifle Co., who were to produce the Lee magazine rifle for the Lee Arms Company. However, Sharps suspended business in 1880, and the arms were made by Remington under license, in Ilion, N. Y.

LEE ARMS CO.—Wilkes-Barre, Pa. Makers of "Red Jacket" rim-fire revolvers.

LEE FIREARMS CO.—Milwaukee, Wis., 1864-65. Operated by James Paris Lee, inventor and manufacturer of the Lee rim-fire carbine patented July 22, 1862, No. 35,941. One thousand Lee Carbines were ordered by the War Department, April 18, 1865. The arms were rejected due to a difference of .02 caliber between the specifications and the chambering.

In 1874 Mr. Lee moved from Milwaukee to Springfield, Mass., to superintend the manufacture of the Lee single shot military rifles, 143 of which were made. Subsequently J. P. Lee is found at Hartford, Conn., superintending the manufacture of his later model arms. Various types of Lee arms were tested by the government in the trials of 1872, 1878, 1891 and 1895. Lee "straight pull" magazine rifle (made by Winchester) being adopted by the navy in the latter year.

Mr. Lee was born in Scotland on Aug. 9, 1831, and after receiving his education in Canada, migrated to the United States. He died in Connecticut in 1904.

LEE, G.—Unlocated. Late percussion Kentucky rifles.

LEE, Roswell—Lt. Colonel Ordnance. Superintendent Springfield Armory June 1, 1815 to August 25, 1833, the year of his death.

LEECH & RIGDON—Thomas S. Leech and Charles H. Rigdon, makers of Confederate, Colt-type revolvers at Greensboro, Ga., and later at Augusta, Ga.

Thomas S. Leech, operator of the Memphis Novelty Works, was a manufacturer of military cutlery, swords, bayonets, spurs, etc., at 35 Front Row, Memphis, Tenn., about September 1861-May 1862. His association with Rigdon began about the early part of 1862, when Charles H. Rigdon, a practical machinist from Cincinnati and St. Louis, joined Leech in partnership. In May, 1862, the firm moved to Columbus, Miss., the location of the Briersfield Arsenal. November 29, 1862, General Pemberton recommended the removal of the arsenal equipment and ordnance stores, which were moved to Selma, Ala. It appears that Leech & Rigdon also left Columbus about Jan. 1, 1863, and re-established at Greensboro, Ga. In December, 1863, the partnership

was dissolved, and Rigdon went to Augusta, Ga., where he became associated with Smith & Ansley in the manufacture of revolvers. See Rigdon, Ainslee & Co.

Thomas S. Leech was listed in the Memphis City Directories 1855-60 as clerk and cotton broker, and from 1866 to 1869 as cotton broker in the firm Leech & Carver. In 1874 he emigrated to Liverpool, England, where he lived until his death.

LEFBETT, J. H.—Unlocated. Full maple stock percussion rifle with lock by Joseph Golcher.

LEFEVER ARMS CO.—Ithaca, N. Y. Modern.

LEFEVER, Dan—See Nichols & Lefever, Syracuse, N. Y.

LEFEVER, D. M.—78 E Water St., Syracuse, N. Y., 1880-82.

LEFEVER, Samuel—Strasburg Township, Lancaster Co., Pa., 1770-01.

LEFEVRE & BULLIS—Canandaigua, N. Y., percussion period. Heavy match rifles.

LEFEVRE, Philip—Also Lefever. Rifle maker of Beaver Valley, Lancaster Co., Pa., 1731-66. Was connected with the Ferree family of gun makers, through the marriage of his father, Isaac Lefevre with Katherine Ferree. Isaac Lefevre had come to America in 1708 with the Ferree family. See Jacob Ferree. Philip Lefevre was born at Esopus, N. Y., March 16, 1710. Migrated with his family to Pequea Valley, Lancaster Co., in 1712.

LEGG, T. C.—Columbia, S. C. Percussion duelling pistols with English barrels.

LEGLER—Nashville, Tenn. Three generations made rifles.

LEHMAN, George F.—Union County, Ohio, 1850-54.

LEHMAN, Samuel—Armorer. Was paid \$130 New Emission Currency (at rate of exchange $2\frac{1}{2}$ for one, equal to \$52, specie) for stocking and repairing 12 muskets and cleaning and repairing 10, at Phila., 1781.

LEHNERT, Julius—Louisville, Ky. Percussion Kentucky rifle lock.

LEITNER, Adam—York County, Pa., 1779-1808. Contracted on May 31, 1808, with Tench Coxe, Purveyor of Public Supplies, for 100 pair of pistols at \$10.00 the pair.

LEITNER, Ignatius—York Co., Pa., 1784-1786. Flintlock Kentucky rifles; worked on public arms. Also Lightener.

LELAND—Unidentified. Flintlock Kentucky rifle.

LELAND, L. M.—Augusta, Me. Percussion rifles.

LeMATA, Dr.—188 Dauphine, New Orleans, La. 1853.

LEMAN, Heinrich—Unidentified. Kentucky rifles, about 1840.

LEMAN, H. E.—Also Lehmann, Lancaster, Pa., about 1790-1825.

LEMAN, Henry E.—Also Leaman. E. Walnut & N. Duke Sts., Lancaster, Pa. Son of H. E. Leman. Born at Lancaster, March 8, 1812. Learned the gun making trade under Melchoir Fordney from about 1828 to 1831, from 1831 to 1834 was with Geo. W. Tryon, rifle maker of Philadelphia. Henry E. Leman established his own rifle making plant in Lancaster in 1834, manufacturing largely for the Indian trade. Obtained his first government contract on Nov. 7, 1837, for 500 rifles for Indians at \$14.00 each. On Feb. 8, 1842, Henry Leman undertook to make 500 Northwest guns for the Indian Department at \$7.00 each, duration to May 1, 1843.

Leman also did considerable work altering arms from flint to percussion. Also later during the Civil War made sharpshooter telescope rifles. Henry E. Leman died in 1887.

LEMAN, Heinrich—Kentucky rifles, circa 1740. Probably same as Leman, H. F.

LEMAN, H. F.—Lancaster, Pa., about 1750. Kentucky rifles.

LEMAN, Peter—Also Lehmann. Mount Joy Township, Lancaster County, Pa., about 1740-1782.

LENDER, Ed.—1859. No. details.

LENNARD—Unidentified. 1772. Kentucky rifles.

LENZ, Michael—Forest Street, Baltimore, Md., 1802. Listed at 36 Light St., in the 1804 Directory.

LENZHAUR & OTTO—St. Louis, Mo. at 4 No. 3rd in 1864.

LEONARD, A.—Saxons River, Vt. Sharpshooter's percussion telescope sight rifle, lock by Warren & Steele, Albany; fine, heavy target rifles.

LEONARD, A. & SON—Saxons River, Vt., about 1840-1860. Another son had a shop in Keene, N. H. Heavy match rifles; over-under percussion rifle-shotgun, German silver mounted.

LEONARD, Eliphalet—Easton, Mass., musket maker for Committee of Safety, 1776. Reputed to be one of the first steel makers in the Colonies, Eliphalet Leonard was one of the very few Revolutionary War arms makers with sufficient courage and conviction of ultimate victory, to mark his arms with his name and location. A description of one of his muskets, made after the British, pinned-barrel model, records the marking of "E. Leonard in Easton 1776."

LEONARD, George—Charlestown, Mass. Ring-trigger, pepperbox pistols.

LEONARD, George R.—Keene, N. H., 1859-69. Gun-barrel maker.

LEONARD, Geo. O.—Keene, N. H. Heavy barrel, percussion, sniper's rifle with telescope sight.

LEONARD, Jonathan—Also called "Quaker." Son of Eliphalet Leonard. In association with Kinsley founded a gun forge at Stoughton, Mass., in 1778. A part of Stoughton later became Canton, where Jonathan's son Charles, made arms on contract of 1808.

LEONARD, Charles—Canton, Mass. Son of Jonathan Leonard. In association with R. Leonard, a relative, contracted for 5,000 muskets on Oct. 29, 1808. Charles Leonard was a captain of Canton militia company from 1815 to 1823. Left Canton destitute in 1826.

LEONARD, R. & C.—Canton, Mass., musket makers. Contractors Oct. 29, 1808, for 5,000 Model 1808 muskets, duration 5 years. Of these 2,125 are recorded delivered by Oct. 7, 1812.

LESCHER—Philadelphia, Pa., 1730.

LESSIER, P.—See Suter, C. & Co.

LESTER, L. M. & H. H.—252 Broadway, New York, 1875. Makers of Lester safety locking pistol.

LEATHER, Jacob—York, Pa., musket contractor to State of Pennsylvania. See Leather & Co., and Laethers, Jacob. In addition to muskets made rifles and according to family tradition pistols also, but probably not military type. Family records note that

"Jacob Lether, gunsmith, petitioned for a tavern license in 1760, to be located on High Street, (now Market) in York, Pa. Established as gunsmith a few years prior." Son, Jacob Jr. also a gunsmith.

LEATHER & CO.—Jacob Laether and Kunrat Welhance, York, Pa., musket makers, contractors to Commonwealth of Pennsylvania for 1,200 Charleville pattern muskets on April 11, 1798. Arms marked "LEATHER & CO.," "CP" on rear of lockplate.

LEWIS, A. W.—Unidentified. 1861. Double barreled rifle with concealed triggers and inside hammers.

LEWIS, Charles—Perry, below Washington Street, Buffalo, N. Y. 1836-37.

LEWIS, Col. Fielding—With Major Charles Dick, operator of an arsenal at Fredericksburg, Va., for the manufacture of small arms to equip Continental Line regiments raised in Virginia. Fielding Lewis and Charles Dick were appointed Commissioners to build and operate the Government Gun Factory of the Commonwealth of Virginia by the Second Virginia Revolutionary Convention Commissioners in July 1775.

LEWIS, Jacob—Unlocated. Light percussion Kentucky rifle with Truitt lock and maple stock carved in relief.

LEWIS, John—Upper Sandusky, Wyandot, Huntsville Co., Ohio, 1820. Repaired firearms for Indians.

LEWIS, Joseph—Pike Co., Pa. Late Kentucky rifles, percussion period.

LEWIS, Joseph—Groton, Conn. Repaired arms for the State in 1780.

LEWIS, Morgan—22 Market St., Youngstown, Ohio, 1881-83.

LEWIS, Nelson—Troy, N. Y. Born 1811 near Speigletown, north of Troy. A market hunter, later apprenticed to J. M. Caswell at Lansingburg, N. Y. Set up shop at Congress & Church streets, Troy, in 1843; active there more than 40 years. Heavy flintlock duelling pistol, percussion single and double rifles, rifle-shotgun combinations, target rifles in many weights and calibers, Civil War sharpshooters' rifles; all rifled with gain twist. In 1870's experimented with 100-rod rifles. Made many fine-quality arms, and excelled at match shooting. Died in Troy, N. Y. Aug. 4, 1888.

LEWIS, Warner—Tulip, Ohio. Born 1870 a descendant of Nelson Lewis. Accurate 12-lb. .36 caliber rifle made in 1843. Still living in 1947.

LEY, Frederick—Phila., Pa. Listed as gunsmith at Rose, in 1829.

L. G. & Y.—See Lamson, Goodnow & Yale.

LIBEAU, V. C. W.—New Orleans, La., about 1835-47. Libeau revolver.

LIBEAU, Valentine—Gunsmith. In Columbus, Ohio in 1827; at 127 Main, Cincinnati, Ohio, 1829.

LIBEAU, Charles—Gunsmith. 127 Main, Cincinnati, Ohio, 1829.

LIDDLE & KEADING—538 Washington St., San Francisco, Calif., 1874-76.

LIDDLE, R.—San Francisco, Calif. Walnut half-stock, octagonal barrel percussion rifle turned at muzzle for starter. Liddle was a member of Liddle & Keading. In 1859-64 Robert Liddle is listed at 418 Washington and in 1865 at 538 Washington.

LIGHT, Elmore—Shelby, Ohio; 81 in 1948. Gunsmith and gunstocker in curly maple and burl walnut.

- LIGHT, Peter**—Berkley County, Va. In association with David Hunter contracted with the State of Virginia, Sept. 28, 1776, for 200 muskets, at £6 per stand.
- LIGHTENER, Ignatius**—York County, Pa., 1784-86. Worked on public arms.
- LILLIE, P. T.**—See Lilly, P. T.
- LILLY, P. T.**—Or Lillie, "Pat." Carmichaels, Greene Co., Pa., 1850's. Southern sympathizer; left just after outbreak of Civil War, never returned.
- LINDBURG, C.**—Unlocated. Percussion over-under rifle and shotgun.
- LINDE, A.**—Memphis, Tenn. Had workerd for Schneider & Glassick before and probably during the Civil War. Later made imitation Deringer pistols. Moved to Little Rock, Ark., and died there about 1904.
- LINDE, J.**—Unlocated. Percussion pistol.
- LINDNER, Edward**—Percussion carbine patentee and maker. Patent March 29, 1859, No. 23,378. Lindner carbines (old model) were also made by the Amoskeag Mfg. Co., at Manchester, N. H. The government purchased 501 Lindner carbines in 1863, at \$20.00 each.
- LINDSAY, C. W.**—Unidentified. Percussion, 2-shot, 2-hammer, single-barrel rifle.
- LINDSAY, J. P. MAN'F'G CO.**—208 Orange St., New Haven, Conn., 1864-67, and 20 Howard Street, 1867-69. Makers of John P. Lindsay patent two-shot single barrel pistols, and two-shot, single barrel rifle muskets, patented Oct. 9, 1864. One thousand of these muskets, which were manufactured in New Haven, were purchased by the War Department, Aug. 16, 1864, on contract of Dec. 17, 1863, at \$25.00 each. These arms were probably made for Lindsay on contract by Cyrus Manville, whose plant was at 208 Orange Street, the site of the old Volcanic factory.
- LINDSAY, John Parker**—Connected with the Lindsay Firearms Co. See above. Lindsay was a former employee of the Springfield Armory. Legend has it that Lindsay designed his 2-shot, single-barrel arm to surprise Indians, who had wiped out a command in which Lindsay's brother was a soldier. The Indians drew the fire of troops equipped with the usual single shot muskets, and then charged in overwhelming numbers, before the muzzle-loaders could be reloaded.
- LINDSEY, William**—Porsmouth, Scioto Co., Ohio, 1829.
- LINS, A. Frederick**—Philadelphia, Pa. Maker of percussion deringers.
- LIPEL, C.**—Listed as maker of flintlock Kentucky rifles. Believed to be a misreading for script name of C. Sipel or Siple. See Siple, C.
- LIPLEY**—Unidentified. Somerset Co., Pa. Silver inlaid rifle.
- LISTON, Perry**—Born in Maryland or Pennsylvania in 1798. In 1800 his family moved to Scioto Co., Ohio, on Brush Creek, two miles east of Otway. Made rifles 1822-1882, but apparently did not mark them. Died in 1882.
- LITTLE, Charlie**—Ashtabula, Ohio. Percussion shotguns.
- LITTLE, D.**—Bellefonte, Pa., 19th Century.
- LITTLE, J.**—Bellefonte, Pa. Member of firm J. & D. Little. Name stamped and copper inlaid under barrel of heavy percussion

Kentucky rifle with openwork patchbox and silver inlays. Tryon back-action lock.

LITTLE, J. & D.—Bellefonte, Pa., mid-19th century. Gun and gun-barrel makers. Made percussion rifle barrels for J. D. McKahan; McKahan & Noble, and others.

LITTLE, R.—112 Washington St., San Francisco, Calif., 1859-60. (With Bogart Bros.?) (Same as Liddle, R.?).

LIVERMORE, E. K.—New York, N. Y., percussion period.

LIVINGSTON—Marathon, N. Y. Percussion rifles of fine workmanship.

LIVINGSTON, F.—Marathon, N. Y. Maker of percussion rifles of fine workmanship, and of over-under, walnut half stock, percussion, rifle-shotgun with double side-by-side locks and long nipple for firing the lower barrel.

LIVINGSTON, John—Walpole, N. H. Musket maker. In association with Gurdon Huntington, Josiah Bellow and David Stone, contracted under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 608 were delivered by June 10, 1801.

LIVINGSTON, J. W.—Syracuse, N. Y. Combination rifle-shotgun.

LLEWELIN, Mathew—Pennsylvania musket maker associated with Jacob Dickert in a contract with the Commonwealth of Pennsylvania of April 17, 1801, for 1,000 Charleville pattern muskets.

LLOYD, William—Snyder County, Pa. No details.

L. N. D.—Script initials of Lewis N. Donham.

LOCKE, H.—Pennsylvania; Kentucky rifles.

LOCKE, James—Born 1790 in New Hampshire or Vermont; moved to Wellsborough (now Wellsboro), Pa., before 1820, and soon made rifles; died ca. 1870. Made unique Miguelet-type percussion locks. A walnut halfstock with part-octagon barrel marked "J. Locke" in script; lock, marked "J. L." in script, has external mainstring and parts mounted in a boxlike brass casting. Also a fancy inlaid Kentucky rifle with identical but unmarked lock, marked "James Locke Wellsborough" in script on barrel.

LODER—Lancaster, Pa., about 1770. Kentucky rifles.

LODGE BROS.—Columbia Co., Pa., period of 1810; flintlock Kentucky rifles. See Jonathan Lodge.

LODGE, Jonathan—Columbia Co., Pa.; came there with his parents in 1768; there in 1810. Flintlock Kentucky rifles.

LOGAN, G. S.—Unlocated. Artificially striped, maple full-stock percussion Kentucky rifle.

LOGAN & KENNEDY—Pittsburgh, Pa. Makers of late flint(?) and percussion rifle locks.

LOHNER, C.—Philadelphia, Pa. Percussion derringer.

LOMBARD, H. C. & CO.—Market Street, Springfield, Mass. 1860-1861 and later. Makers of rim-fire cartridge pistol.

LONDON PISTOL CO.—Newark, N. J. The forerunner of the Manhattan Firearms Co., about 1859-60. Makers of percussion revolvers patented Dec. 27, 1859 by Joseph Gruler and Augustus Rebetej of Norwich, Conn., patent No. 26,641, and assigned to Manhattan Firearms Co. of Newark, N. J.

LONG, George—Unlocated. Penna. made, percussion Kentucky rifles.

LONG, J.—Yeagerstown, Pa., 1865-1886. Percussion rifles.

LONG, James—Beaver Springs, Snyder Co., Pa. Kentucky rifles.

- LONG, John**—Pennsylvania, active about 1790. Flintlock Kentucky rifles.
- LONG, John E.**—Detroit gunsmith. Member of firm of Fisher & Long.
- LONG, Jos.**—Mendon, Westmoreland Co., Pa. Percussion period.
- LONG, Joseph**—"J. L." Middle Creek, Snyder Co., Pa. Flintlock and early percussion, inlaid Kentucky rifles.
- LONG, Wm. J.**—Jonathan Creek, near Thornville, Perry County, Ohio. Lived 29 August 1858-19 March 1948. Had been apprenticed to Peter Humbarger III.
- LONGSTRETH & COOK**—Philadelphia, Pa. Inlaid flintlock Kentucky rifle.
- LOOMIS, E.**—Hubbardsville, N. Y. Percussion sporting rifles.
- LOOMIS, Earl**—Colchester (now East Hamilton), N. Y. Learned gunsmithing in New England, flintlock period; living in 1870's. Gunsmith son Alonzo, born 1824, died in 1900's. Late flintlock and percussion rifles, most German silver mounted.
- LOOMIS, F.**—Unlocated. Double barrel, breech-loading hammer shotgun.
- LOOMIS, J. D. & CO.**—1850. Kentucky rifle with lock by B. Samples.
- LOOS, F.**—Albany, N. Y. Short, half-stock percussion rifle with lock marked "WARREN & STEELE, ALBANY."
- LORD, J.**—Lancaster Co., Pa., 1830-1855. Master workman; flintlock and percussion Kentucky rifles.
- LORNEY, M.**—Boalsburg, Pa. Kentucky rifles.
- LOSEY, B.**—Shop located near Ithaca, N. Y. Made fine shotgun and rifle barrels. Percussion period.
- LOSEY, B.**—Syracuse, N. Y. Percussion over-under rifles.
- LOTZ, Peter**—Lancaster, Pa. 1857.
- LOUDENSLAGER, H.**—Unlocated. Kentucky rifles.
- LOUDENSLAGER, Simon**—Mexico, Juniata Co., Pa. Percussion rifles, mostly stocked in plain maple with stained stripes or curls.
- LOVEL, James**—Gunsmith. Green above Third, Phila., Pa., 1819.
- LOVELL ARMS CO.**—Also J. P. Lovell Arms Co., Boston Mass. Succeeded by Iver Johnson in 1868.
- LOVELL, John P.**—Boston, Mass.; born 1820, died 1897. Fine percussion target pistol; breech-loading shotguns. See Lovell Arms Co.
- LOW, William**—Ovid, Seneca Co., N. Y. Contracted April 18, 1818, with the State of New York to furnish 300 rifles and 250 swords for the frontier militia.
- LOWE, William V.**—Massachusetts, about 1875-95. Active at Fitchburg, Winchester and Woburn.
- LOWE, William V.**—Of Warner & Lowe, Syracuse, N. Y., 1880. Born 1820, died 1897.
- LOWELL ARMS CO.**—Lowell, Mass., about 1864-68. Makers of 7-shot rim-fire revolvers. The firm's name had been Rollin White Arms Co., assumed without permission of Mr. White. On Rollin White's protest against the use of his name, it was changed to the Lowell Arms Co.
- LOWER, John P.**—Philadelphia, Pa., and Denver, Colo. Born 1833; apprenticed at Philadelphia to Joseph C. Grubb; independent after

Aug. 4, 1850. Made halfstock rifles (used J. H. Johnston barrels, Geo. Golcher locks), percussion derringers. Made 6-shot, .32 rim-fire, sheathed-trigger revolvers marked with his name, "W. L. Grant," or "D. D. Cone, Washington, D. C." until 1855 when Smith & Wesson sued for patent infringement. Came to Colorado in 1868. Became a partner of Carlos Gove in Denver in 1873 until 1876 when he opened his own shop, doing business at a number of successive locations: Blake Street, Larimer, Fifteenth and at Champa. Died in 1917, at age of 84.

LOWERY, David—See Lawrey, David.

LOWNDES, Edward—Greeley, Co., 1875.

L. P.—Unidentified. Ornamented, percussion Kentucky rifle.

L.S.—Initials of Luther Sage, U. S. Inspector of Contract Arms, 1818-1823. Inspected arms in the plants of R. & J. D. Johnson, Lemuel Pomeroy, Simeon North, Nathan Starr, Asa Waters and Eli Whitney.

LUCAN—Bellefonte, Pa. Percussion Kentucky rifles.

LUDINGTON—Lancaster, Pa., Revolutionary War period.

LUDRODA—Pennsylvania. Kentucky rifles.

LUDWIG, Paul—Pennsylvania, 1831.

LULL & THOMAS—Ilion, N. Y., 1857. Double barrel, side-by-side, rifle-shotgun.

LULL, M. P. & A. G.—Woodstock, Vt. Underhammer percussion rifle.

LUMBARD, Joseph—Welded and forged pistol barrels at Springfield Armory in 1808. Also drew sword blades.

LUPUS, A.—Dover, N. H. Percussion holster pistol.

LURCH, David and Joseph—Grand St., New York, N. Y. 1869-75. Percussion target rifles.

L. & W.—Unidentified. Flintlock Kentucky rifle.

LYDICK, Peter—Baltimore, Md., gun maker to Council of Safety. Believed to be identical with Riddick who reported January 31, 1778, that he had 70 guns ready to be proved. On January 31, 1776, Keener, Messersmith and Riddick reported they were ready for an inspector. On February 7, 1776, an inspector was sent who proved the arms made by Sam Keener, Sam Messersmith and Peter Lydick.

LYON, H. A.—Sioux City, Iowa. Stamped his name on barrels of arms assembled by purchase of component parts. His son manufactured ammunition.

LYONS—Of Soper & Lyons, Sioux City, Iowa. A .44 caliber plains rifle.

M

M—Unidentified. Possibly Ohio. Crude, homemade percussion (possibly converted) fullstock rifle with strap-iron trigger guard. Marked "M" on barrel.

MACK & MUNGER—Dubuque, Iowa.

MACKEY, James J.—Gunsmith. Born at No. 6 Dutch St., New York, N. Y., date unknown. Was either superintendent in charge of operations or foreman of a department at State Rifle Works, Green-

ville, S. C., 1863-64. The plant was operated by George W. Morse. See Morse.

MACON ARMORY—Macon, Ga. Confederate arms manufactory established by Col. James Burton, C. S., former Commandant of the Richmond Armory, who was relieved at Richmond May 27, 1862, and the next day left with his family for Atlanta, Ga., where Spiller & Burr were already located. The rifleshoot making machinery in the Richmond Armory was also sent along. Due to high cost of real estate in Atlanta, Col. Burton was offered and accepted a free site in Macon, Ga., where he located about June 28th, using the old Macon & Western Railroad shops temporarily. Brick buildings were started, and machinery purchased in England, Col. Burton making a trip there for that purpose May 6 to Oct. 14, 1863. At the end of the Civil War, the buildings were finished up to the roof, and one building that housed the Pistol Factory, which had formerly been Spiller & Burr's, had been completed.

Although the machinery of Jones, McElwaine & Co., had arrived at Macon, Ga., there seems to be no record of any guns made there, outside of pistols. The stocking machinery from Richmond was set up in the railroad shops and stocks evidently made. The stocking machinery was later sent to Columbia, S. C.

Part of the Macon Armory was in existence until a few years ago, at Elm and Jackson Streets being occupied by a carpet cleaning establishment.

MADESIE, John—See Matthesiee, J. N.

MAIZE, Henry—Uniontown, (Now Ashland), Ohio, 1828-30.

MALBERT CARLISS & CO.—Probably New York, N. Y. Double action pocket revolvers patented in 1883.

MALCOLM, John—Pennsylvania musket maker to the Committee of Safety, 1776.

MALCOLM, Wm.—Syracuse, N. Y. Maker of a percussion target rifle with lock marked "A. SPIES." Also detachable stock target pistol marked "Wm. Malcolm, W. A. Sweet. Syracuse."

MALITZ, Charles—Gunsmith, Melicerte, between Magazine and Constance, New Orleans, La., 1853.

MALONE, M.—Gunsmith. New Orleans, 1861.

MALTBY, Jasper Adalmont—Galena, Illinois gunmaker with shop and home at 184 (in 1854) and later 186 (1858-59) Main Street. Born in Astabula Co., Ohio, Nov 3, 1826. Served as a private in Mexican War and was wounded at Chapultepec. After discharge established himself as gunsmith in Galena, making and selling "rifles, sporting and target, pistols, revolvers" and doing general gunsmithing. Well made rifle known marked on barrel "J. A. MALTBY, GALENA No. 209." He served in Civil War with Illinois troops. Appointed Lt. Colonel March 5, 1863; Brig. General of Volunteers Aug. 4, 1863; Mustered out Jan. 15, 1866. Died March 20, 1868.

MALTBY, CORLISS & CO. New York, N. Y. Five shot double-action pocket revolvers, patents of 1878 and 1885, marked "Metropolitan Police."

MALTBY, HENLY & CO.—New York, N. Y. Makers of rim-fire and center-fire cartridge revolvers under patents of John T. Smoth, Rockwell, Conn., of Jan. 24, 1888, No. 376,922 and Oct. 28, 1889, No. 413,975.

MANGE, H.—Unlocated.

MANHATTAN FIREARMS CO.—Also Manhattan Firearms Mfg. Co., Newark, N. J., and New York, N. Y., 1864-69. Makers of percussion, pepperbox pistols and later of percussion and rim-fire cartridge revolvers. About 1870 reorganized as American Standard Tool Co.

MANN, M. D.—Main Street, Buffalo, N. Y., 1817-19.

MANNING, Richard—Ipswich, Mass., 1749.

MANNY, Postman—Blairsville, Ga. Percussion rifles.

MANVILLE, Cyrus—208 Orange St., New Haven, Conn., 1866-67. Firearms maker. Probably made the Lindsay two-shot muskets for the J. P. Lindsay Mfg. Co. whose address was identical with that of Manville. Manville was also surety for Lindsay in his government contract. The site of the old Volcanic factory was 208 Orange Street.

MARBLE ARMS & MFG. CO.—Gladstone, Mich. Organized by W. L. Marble in 1908. Makers of the Game Getter Gun and producers of gun sights.

MARBLE, Simeon—Sunderland, Vt. Flintlock and percussion rifles.

MARCUM, J. E.—New York, N. Y. Halstock percussion target rifle.

MARK, F. H.—Bellows Falls, Vt. Percussion arms.

MARKER, Daniel—Pennsylvania, "D* MARKER" is stamped on a full stock, curly maple, brass trim, percussion Kentucky rifle with 43 inch octagonal barrel and lock by "R. NORRIS." Made highly decorated flintlock Kentucky rifles. Marker's son was also a gunsmith.

MARKER, George—Gettysburg, Drake Co., Ohio, 1844.

MARKER, James—(Son of Daniel Marker?) Percussion Kentucky rifle.

MARKHAM, T.—Unlocated. Percussion rifle.

MARLIN FIREARMS CO.—New Haven, Conn., 1881 to date. Operated by John Mahlon Marlin, maker of Ballard patent rifles, and rim-fire "OK." and "Victor" pistols, "XL" derringers and "XXX Standard" revolvers manufactured under the numerous John M. Marlin patents.

In 1915 the Marlin family sold out to Marlin-Rockwell Corp., arms makers during the World War I. The Company was turned back in 1920 and operated by receivers until 1926, when it was sold again and reorganized, resuming the name of Marlin Firearms Company. Its recent products include magazine and lever action rifles and over-under shotguns.

MARLIN, J. M.—John Mahlon Marlin, New Haven, Conn., 1870-81. Inventor and arms maker. Incorporated in 1881. See Marlin Firearms Co.

MARLIN, ROCKWELL & CO.—See Marlin Firearms Co.

MARS, Andrew—Middle West. Percussion Kentucky rifles.

MARSH, J.—Binghamton, N. Y., 1850-70.

MARSHALL, Job—Fairmount Township, Luzerne Co., Pa.

MARSHALL, M.—A plain, southern percussion Kentucky rifle with barrel crudely marked "M. MARSHALL" in large letters.

MARSHALL COUNTY MANUFACTURING CO.—Holly Springs, Miss. The corporate name of Jones, McElwaine & Co., Confederate arms manufacturers. See Jones, McElwaine & Co.

- MARSHALL MANUFACTURING CO.**—See Jones, McElwaine & Co.
- MARSTON, David**—Gunsmith. 179 No. Fourth, Phila., Pa., 1819.
- MARSTON, John**—Phila., Pa. Listed as gunsmith at 179 N. 4th, in 1829.
- MARSTON & KNOX**—New York, N. Y., 1864. Single-shot percussion pistols of same construction as the Sprague & Marston arms.
- MARSTON, W. P.**—Toronto, Ontario, Canada. Percussion rifles.
- MARSTON, W. W. ARMORY**—See Marston, W. W.
- MARSTON, W. W.**—William W. Marston, 22nd St., and Second Ave., New York, N. Y., before and after 1866. Patentee and maker of the Marston single-shot, sliding breech-block pistols, patented June 18, 1850, No. 7,443, pepperboxes, percussion revolvers and 3-shot superposed barrel, rim-fire cartridge pistols. Plant also called "Phoenix Armory."
- MARTIN, George**—Matinsville, is. Odd, breech-loading, cartridge rifle.
- MARTIN, Hacker**—Current maker of Kentucky type, flintlock and percussion rifles and pistols. Born 1895. Lives about ten miles from Johnson City, Tenn. Operates a water-wheel grist mill and has his gun shop on the second floor of the mill. Great-grandfather, grandfather and father were all gunsmiths. Is a descendant of the Bean family of gunsmiths and water-wheel mill operators, whose mill stood at the mouth of Boones Creek; and to whom is credited the birth of the first white child south of the Alleghanies. Hacker Martin still uses the Bean anvil.
- MARTIN, HACKER & SON**—See Martin, Hacker.
- MARTIN, John**—Charles County, Maryland. Was paid 4,180 pounds of tobacco in 1682, for "scowering Cleansing and fixing of Arms."
- MARTIN, M.**—Unlocated. Fine silver-inlaid flintlock Kentucky rifle.
- MARTIN, Robert**—20 Frederick St., Baltimore, Md., 1808, and after.
- MARTIN & SMITH**—98 Market St., Philadelphia, Pa. Marking on a Kentucky type percussion pistol.
- MARTIN, T.**—Unlocated.
- MARTIN, William**—Born 1810 in Kentucky. A cabinet maker and gunsmith, he moved to Jackson Co., one mile east of Leesville, Lawrence Co., Indiana, in 1840. In 1852 moved two miles east to near Weddleville; died 1902, aged 92. Made any type of gun in demand; specialized in match rifles with 14 grooves and lands. Bought barrel blanks from Cincinnati and St. Louis; stocked mostly with hard maple root. A heavy, curly maple halfstocked Plains rifle marked "W. Martin" in script.
- MARTIN, W. L.**—New Haven, Conn., 1873-77.
- MARYLAND STATE GUN LOCK FACTORY**—Frederick, Md. 1777-78. Operated by Chares Beatty, James Johnson and John Hanson, Commissioners. Manager of the factory was Samuel Boone, who June 17, 1777, was ordered to deliver to Nicholas White 110-gunlocks.
- MASLIN, M. M.**—Unlocated. Maker of a flint Kentucky rifle lock with reinforced hammer, waterproof pan and roller frizzen-spring bearing; marked "M. M. MASLIN WARRANTED."
- MASON**—Ashtabula, Ohio, in 1812. Flintlock Kentucky rifles.
- MASON, J.**—Unlocated. Marking on Kentucky rifle. (Same as Mason of Ashtabula, Ohio?)

MASON, J. C.—Keene, N. H. Fowling pieces and halfstock percussion rifles.

MASON, Wm.—William Mason, Taunton, Mass., Civil War contractor of Jan. 7, 1862, for 50,000 Springfield Model 1861 rifle muskets at \$20.00 each. Of these 30,000 were delivered.

MASSA, George—Lancaster, Pa., 1857.

MASSACHUSETTS ARMS CO.—Chicopee Falls, Mass. Incorporated under a special act of legislature of March 5, 1850, authorizing Timothy W. Carter, James T. Ames, Benjamin F. Warner and their associates, which included heirs and kin of Edwin Wesson, to manufacture firearms and machinery. The company was organized primarily for the manufacture of percussion revolvers under the Wesson patents. Edwin Wesson, who died in 1850, had been previously associated with Daniel Leavitt in the manufacture of the Leavitt revolver, made with a hand-turned cylinder under the Leavitt Patent No. 182, April 29, 1837. At the time of his death, Wesson had a patent pending for an improvement embodying mechanical operation, the patent rights to which formed a part of the Wesson inheritance.

With the receipt of the patent right to mechanical operation. Patent No. 6669, dated as of August 28, 1849, the Massachusetts Arms Company, which had been making the older hand-turned models, started the production of the new model revolver, which in addition to mechanical operation had several other desirable features, among them a frame that pivoted forward of the hammer, permitting easy and rapid removal of the cylinder. The new models were barely on the market, when the Company was faced with a suit brought by Colt Patent Fire Arms Company for the infringement of Colt patents. The Colt Company, represented by Edward S. Dickinson, foremost patent attorney of the day, won the suit, though the Massachusetts Arms Company had retained Hon. Rufus Choate, one of the famous lawyers of the era, as its counsel. On August 4, 1851, the Massachusetts Arms Company had to cease the manufacture of revolvers under the Edwin Wesson patent until the expiration of the Colt patents, for a mechanically operated cylinder, in the fall of 1856.

The firm also manufactured small revolvers using the Maynard tape lock priming system, Maynard, Greene and Smith carbines, and percussion revolvers made under the Robert Adams (British) U. S. patent No. 9694, of May 5, 1853. The government bought 20,202 Maynard carbines during the Civil War, in addition to 400 purchased in 1857. Government records indicate that 30,062 Smith carbines were also obtained during the war, but that most likely includes arms made by the American Machine Works, the American Arms Co. and by Poultney & Trimble.

At the close of the Civil War, with the decreasing demand for firearms, the business of the company fell off, and the assets, stock and franchise were bought out and operated by T. W. Carter, who had been in charge of operations.

On Feb. 1, 1876, the works were taken over by the Lamb Knitting Machine Mfg. Co., owners (since 1867) of the water power and shops in which the Massachusetts Arms Co., conducted its business. The firm continued the manufacture of arms under the Maynard patents, until about 1890, Wm. F.

McFarland, ex-employee of the Springfield Armory being the superintendent in charge of production.

MASTER, Christopher—Employed as musket barrel maker by Hugh Shannon in 1810.

MATHESON, Welcome—Rhode Island. Pre-Revolutionary period.

MATHIS, B.—Maker of an early flintlock fowling piece.

MATSON, Thomas—Boston, Mass., 1658-82.

MATTHESIEE, John Nicholas—Union Township, Bedford County, Pa., 1876. "J. N. MATTHESIEE" marking on barrel of relief carved, fancy inlaid percussion rifle. Also used American derivations "Medasia, J. Nicholas" and "Madesie, John."

MATTOON, C. B.—Unlocated. Heavy percussion target rifle.

MAUGER, H.—Unlocated, about 1780. Fine flintlock Kentucky rifles with carved curly maple fullstocks.

MAUS, Jacob—Pennsylvania. Son of Philip Maus; Kentucky rifles.

MAUS, Philip—Central Pennsylvania, making Kentucky rifles in 1798. Father of gunsmith Jacob Maus; family settled in Berks Co. before 1776. Fine flintlock target rifle.

MAUSE, F. E.—Mausdale, Montour Co., Pa.

MAXWELL, A. L., Jr. & CO.—Knoxville, Tenn., iron mongery and foundry at Broad and Southern R.R., which during the Civil War undertook the manufacture of Mississippi (Model 1841) rifles for the Confederacy. The arms manufacturing department, employing about one hundred hands, was in charge of Thomas Riggins and was active until about October 21, 1863, when it was seized by the Federals, held two months and then destroyed to prevent recapture by Confederates.

The plant originally was established in 1853, as Maxwell, Briggs & Co., by Anthony L. Maxwell, a New York engineer, as a machine shop for the manufacture of iron bridge materiel. In 1855 it became Knoxville Mfg. Co., making engines and boilers until the advent of Civil War, when it became an arms plant. Colonel Maxwell, though a native of Old Saratoga, New York, was commissioned in the Confederate Army.

MAYDAT, V.—Pacific near Front St., San Francisco, Calif., 1855.

MAYER, George—Lancaster, Pa., about 1810-20.

MAYESCH—Unidentified, Kentucky rifles, about 1775.

MAYNARD, Edward—Washington, D. C., and Chicopee Falls, Mass. Dental surgeon. Inventor and patentee of the Maynard breech-loading system, patented May 27, 1851, No. 8,126, and Dec. 6, 1859, No. 26,364. Also invented the Maynard primer. On Dec. 25, 1857, Dr. Maynard furnished the government 400 Maynard carbines at \$30.00 each, delivery from Chicopee Falls; presumably made by the Maynard Arms Company. The Maynard primer system was adopted and incorporated in the Model 1855 rifle musket, in addition to a large quantity installed in altered (flintlock) muskets. A total of \$75,000.00 was paid Dr. Maynard for the government rights to his tape primer system.

MAYNARD GUN CO.—Chicopee Falls, Mass. Early Maynard carbines. See Maynard, Edward.

MAYNARD, John—3 Beaver St., Albany, N. Y., in 1823. Evidently an employee of the master gunsmith Henry Turner. At 672 Market St., in 1825; not listed in 1826 directory.

MAYWEG, John—Phila., Pa. Listed as gunsmith at 133 Dillwyn, in 1829.

MAYWEG, John & Wm.—Phila., Pa. Listed as gunsmiths at Dillwyn near Green in 1829.

MB—Letters directed to be stamped on musket barrels, near locks of arms made for the Massachusetts Committee of Safety by specifications issued by Massachusetts House of Representatives November 3, 1775, which also reads:

"... Resolved, That for every effective and substantial Fire-Arm which shall be manufactured in this Colony, with a barrel of three feet and nine inches in length that will carry an ounce ball, a good bayonet with a blade not less than eighteen inches in length, a steel ramrod with a spring to retain same, two loops for gun strings, and the makers name stamped or engraved on the lock . . . and resemble in construction, and, as nearly as may be, equal in goodness with King's new arms, there shall be allowed . . . the sum of three Pounds."

McALLISTER, Coll.—Pittsburgh, Pa. The only gunsmith listed in the Directory in 1815, "Gun and white smith, sw corner of Redoubt Alley and 3rd."

McAUSLAND, Alexander D.—Born 1835. First listed in 1866 Omaha City, Nebraska, directory as gunsmith, machinist, and sporting goods dealer, corner Douglas and 14th. 1870 directory lists McAusland Bros.—A. D., John, and William (clerk), 242 Douglas corner 14th—dealers in firearms, guns, pistols, ammunition, and agents for Hazard Powder Co. A. D. McAusland last listed there in 1874-75.

A. D. McAusland moved from Deadwood City, S. D. (where John is listed as a merchant, 1878-79) to Miles City, Mont., on Christmas 1878. The 1882 Miles City directory lists the "CREED-MORE ARMORY, A. D. McAusland prop., guns and ammunition." Main St., between 6th and 7th. Early in the 1900's the shop was moved to 16th and Main; McAusland sold out and returned to Omaha where he died Nov. 26, 1919, aged 84. He specialized in fitting Remington barrels to Sharps actions for the buffalo hunters; one brother was a Remington representative. A 40-90-370 paper-patch Sharps rifle is known, marked "A. D. McAusland 1880."

McCARTNEY, Robert—Boston, Mass., 1805-15.

McCARTNEY, William G.—300 Liberty St., Pittsburgh, Pa., in 1850; 176 First Ave. in 1870-71. Curly maple fullstocked Kentucky rifles.

M'CLALLEN, H.—Also McClalen. Auburn, N. Y. Maker of under-hammer percussion sporting rifles of fine workmanship.

McCLALLEN, J. M.—Auburn, N. Y. Percussion sporting rifle. (Related to H. M. McClallen?)

McCLELLAN, Hugh—16 Beaver St., Albany, N. Y., 1819; 8 Beaver St. in 1820; not in 1821 directory. (Same as Hugh M'Clelland of Philadelphia, 1829?)

M'CLELLAND, Hugh—Phila., Pa. Listed as gun stock maker at Julian near Green, in 1829.

McCLELLAND, Wm.—Nappanee, Ind. A fine percussion rifle so marked in script on the barrel.

McCLELLAND, Wm.—Uniontown, Pa., 1820-1850. Gunsmith.

McCOMAS, Alexander—51 South Calvert St., Baltimore, Md. Established in 1843. Born in Hartford County in 1821. For 50 years one of the best known gunsmiths of Baltimore.

McCOMAS, Nicholas—44 Pratt St., Baltimore, Md., in 1853 listed as dealer and manufacturer. In 1860 at 44 West Pratt St.

McCONKLIN, G. & H.—Unlocated. Halstock, brass mounted percussion rifle.

McCONNANT, J.—Unlocated.

McCORMICK, Robert—Philadelphia musket maker and contractor under Act of July 5, 1798, for 3,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. \$4,000 recorded paid on account in 1799. Believed to have failed on this contract.

On Nov. 5, 1799, McCormick contracted with the State of Virginia for 4,000 Charleville pattern muskets at \$13.40 per stand. After delivering a few hundred stands McCormick failed in business in July, 1801, and was imprisoned for debt, and a part of his uncompleted contract was taken over by his shop superintendent, James Haslett. Prior to his failure in July, on May 4, 1801, McCormick in association with Richard Johnson, contracted with the State of Pennsylvania for 1,000 Charleville pattern muskets.

The McCormick muskets were made at Globe Mill, which stood on the west side of Germantown Road and St. John Street, Philadelphia. Originally Globe Mill was called Governor's Mill and was erected for William Penn in 1700. It was used in turn as a grist mill, mustard and chocolate mill, spinning mill and in about 1796 was known as the Globe Mill. It was leased by Mr. McCormick, an Irish immigrant, about 1798-99. After the completion of Haslett's contract of 600 muskets of the uncompleted McCormick award, it is believed that the mill was leased to one Hewson, and was used for block calico printing.

McCORY—Canton, Stark Co., Ohio. Came from Penna.

McCOSH, S.—Full stock, percussion Kentucky rifles marked "S. McCOSH" in script on barrels. Possibly same as, more probably father of Sam McCosh, below.

McCOSH, Sam—Gastonsville, Union Township, Washington Co., Pa., 1860-1880 at least. Half stock rifles stamped on barrels "S. McCOSH"; sometimes stamped also on purchased lock. Some known stamped "S. McCOSH PITTSBURGH." McCosh was an extensive maker.

McCOY, Alexander—Dock Ward, Philadelphia, Pa., 1779.

McCOY & BAKER—Princeton, Ky. Percussion combination rifle-shotgun.

McCOY, Kester—Upper Paxton Township, Lancaster Co., Pa., 1770-1771.

McCULLOUGH, George—Dromore Township, Lancaster Co., Pa., 1771-73.

McCULLOUGH, N. G.—Muncie, Ind. Percussion rifle.

McCULLOUGH, W.—Brookville, Pa. Over-under rifle with locks marked "J. M. COOPER WARRANTED PITTSBURGH."

McDERMIT, A. P.—Unlocated. Heavy barrel curly maple half stock Kentucky rifle.

McDANIELS—Mifflin Co., Pa. Kentucky rifles.

McELHANEY—Unlocated. Riflesmith, died 20 years after Civil War.

McELROY, T.—38 Third St., San Francisco, Calif., 1861.

McELWAIN, R. G.—Huntingdon, Pa., Over-under percussion rifle.

- McELWAINE, W. S.**—Holly Springs, Miss., 1859-62. Confederate rifles and rifled muskets. See Jones, McElwaine & Co.
- McGIRK, A. C.**—Marietta, Ohio. Halfstock percussion Kentucky style rifle.
- McGREGOR, Eli**—Lebanon, O. Percussion rifles.
- McKAHAN, John D.**—Washington, Pa. About 1840-April 20, 1861, gunmaker. Service in National Blues, 3rd Brigade, 17th Division, Pennsylvania Militia, Sept. 10, 1852 to July 4, 1856; then Washington Blues to Jan. 8, 1859; April 20, 1861, with Co. "E", (Washington Blues), 12th Pennsylvania Volunteer Infantry, for 3 months enlistment. Later worked with Ordnance Department. On July 14, 1863 mustered into Co. "H", 46th Pennsylvania Volunteer Infantry. Died July 25, 1864 of wounds received at the Battle of Peach Tree Creek, Ga., July 20th. Buried in Atlanta, Ga.
- McKAHAN & GALL**—Washington, Pa. John D. McKahan above.
- McKAHAN & NOBLE**—Washington, Pa. See John D. McKahan. A curly maple halfstocked percussion rifle with brass rib and engraved patchbox; barrel by J. D. Little, marked "McKahan & Noble 117."
- McKENNA**—Unlocated. Cast in brass trigger plate of halfstock percussion target rifle, probably of Middle West origin.
- McILROY, J. W.**—Unlocated. Percussion period.
- McK BROTHERS**—Baltimore, Md. Probably McKim and Brother. Martial pistols.
- McKEE, Wm.**—Gough Street, Baltimore, Md., 1817.
- McKENNY & BEAN**—166 Main St., Biddleford, Me., 1866-71.
- McKIM & BROTHER**—Baltimore, Md., about 1800. Martial pistols.
- McLAIN, G. W.**—Maker of a heavy, single shot percussion target rifle with double set triggers and curly maple stock.
- McLEISH, Charles**—Williamsburg, Ohio.
- McMAHON, John**—Lock and gunsmith, Tchoupitoulas, between Benjamin and Suzette, New Orleans, La., 1853.
- McMANT, John**—Wellsburg, W. Va., 1837. Percussion sporting rifle.
- McMULLEN, Peter**—Maker of gun skelps for musket barrels. In employ of Col. Peter Grubb, who operated a gun skelp forge for the Lancaster Committee of Safety in 1776.
- McNAUGHT, James**—Richmond, Va. Advertised in 1821 in Richmond Enquirer: "Fowling pieces, Pistols and Rifles with or without hair triggers: patent breeched, double and single twisted stubb and Damascus barrels of all lengths and sizes. Duelling Pistols, locks and mountings, dirks, hangers, flasks, etc."
- McNEILL, Thomas E.**—Macon, Ga., 1861. Self styled "Acting Superintendent" of a proposed "Southern Armory & Foundry" and enterprise to be subscribed for by the public, for the manufacture of "Artillery, Small Arms, Laboratory Stores and Projectiles." The project got only as far as proposals for construction. On July 29, 1862 McNeill entered into a contract with Capt. Burton of the Confederate Ordnance for services in connection with manufacture of 20,000 breech-loading carbines of C. W. Alexander's invention, but could not raise the \$5,000 required for patterns, machinery, etc. and the arm of which a pilot model

had been made under supervision of Capt. Burton, never materialized beyond the experimental stage. See C. W. Alexander.
McNICHOLS, Joseph—Goshen Township, Belmont Co. Ohio, 1828-1854.

McPHAIL'S ARMORY—See Columbia Armory.

McRAE, Alexander—Richmond, Va. Contracted with United States on July 28, 1817, for 10,000 muskets at \$14.00 per stand, to be delivered over a period of five years at 2,000 per annum. McRae failed on his contract and with the consent of the government, on March 21, 1821, John Rogers and Brooke Evans of Pennsylvania, took over the McRae contract, and by Dec. 31, 1823, delivered 5,730 stands. McRae is also mentioned as M'Rea in some reports. Also marking on fullstock Kentucky rifle with name on barrel and "VIRGINIA 1811" on lock.

MEACHAM, C. D., ARMS CO.—St. Louis, Mo., about 1880. Double-barrel hammerless shotguns.

MEACHAM, I. & H.—Albany, N. Y. Makers of pinned-barrel, flintlock muskets for the State of New York.

MEACHAM & POND—Albany, N. Y. Flintlock pistols.

MEAKIN, Ben—Cherry Hill, New Paltz, N. Y. German silver mounted, double barrel percussion shotgun. Had worked for John P. Moore. Born 1835: died 1907.

MEALS, John—Unlocated. Late flintlock and early percussion Kentucky rifles and swivel-breech, double-barrel Kentucky rifles.

MEDASIA, J. Nicholas—Union Township, Bedford Co., Pa., 1876. See Matthesiee, J. N.

MEDBERRY, Joseph—Rochester, N. Y. Percussion rifles.

MEDBURY, Thomas—New Berlin, Chenango Co., N. Y., after 1800. Moved to Erieville, N. Y., in 1818, and still active there in 1828, assisted by his son, Issac. Flintlock rifles and fowling pieces.

MEDEER, Bruce—Brownsville, Fayette Co., Pa. Post Civil War. Taught gun making to Uriah Fisher, Leather workers by trade, made percussion rifles as a hobby.

MEEKIN, George—Pike Co., Pa. Kentucky rifles. His old shop was standing in 1927.

MEFFORD (or Mifford?)—Maysville, Ky., period of 1803. Flintlock Kentucky rifles. Father of T. Mifford?

MEIER—Wooster, Wayne Co., Ohio. 1880, 1902.

MEIER, Adolphus—St. Louis, Mo., 1845-50. Heavy barrel percussion target pistol.

MEIGS—Unidentified. 1870.

MEISGER, Henry—Ashland, Pa. Kentucky rifles, especially double-barrels.

MEISSNER, Charles—Zanesville, Ohio, 1859. Maker of halfstock, pill lock, percussion Kentucky rifle of fine workmanship. See C. Meissner & Son.

MEISSNER, C. & SON—12 South 6th St., Zanesville, Ohio, 1880-1902.

MELCHIOR, M.—Pennsylvania. Kentucky rifles.

MELCHIOR, Nathaniel—Mercer at Grant Streets, Baltimore, Md., about 1830-40. Maker of handsome sporting rifles.

MEMPHIS ARMORY—Memphis, Tenn. Confederate shoulder arms

plant. Remodelling and conversion of sporting arms to military use. Some arms marked with name.

MEMPHIS ARMS CO.—Incorporated Jan. 1861, and on May 6th amended to include others, total number of 20 subscribers. Marcus J. Wright, Confederate Historian, and Wm. R. Hunt, who was in charge of the Memphis Armory were among the twenty. It is not believed that any guns were made by them.

MENCH, J.—(Or S.) Unlocated. Revolutionary period flintlock rifle with name in crude script on lock; 1/3 octagon barrel, relief carved butt, long brass patchbox with secret release under brass side strip.

MENDENHALL, A. R.—Unlocated. 1840-50.

MENDENHALL, JONES & GARDNER—Cyrus P. Mendenhall, Col. E. P. Jones and Grafton Gardner, operators of the Deep River Armory, (formerly Oakdale Cotton Mills), at Old Jamestown, Guilford Co., N. C. Mendenhall, Jones & Gardner were Confederate contractors to the State of North Carolina for 10,000 Model 1841 type, sabre-bayonet rifles marked "M. J. & G." and "N. C."

The partnership was dissolved Dec. 5, 1864, and the machinery of the Deep River Armory was sold at auction Dec. 15, 1864.

The shops of the Deep River Armory were established at Old Jamestown, about six miles southwest of Greensboro, with Oakdale Cotton Mills machinery removed from Petersburg, Va., in 1862, and were operated by slave labor largely trained in industrial work by George C. Mendenhall, father of Cyrus P.

MERCKLEY, Jacob—New Hanover Township, Philadelphia Co., Pa., 1781.

MEREDITH, Benjamin—Baltimore and Paca Streets, Baltimore, Md., 1817.

MERIDEN FIREARMS CO.—Meriden, Conn. Makers of 5-shot hammerless, auto-ejecting revolvers (Fryburg type) and of Miller breech-block system for alteration of muzzle-loading arms.

MERIDEN MFG. CO.—Meriden, Conn. Civil War arms. Makers of Triplet & Scott repeating, breech loading carbines, Louis Triplet's patent of Dec. 6, 1864, No. 45,361. Also of Miller conversion of rifles to breech-loading system.

MERMAN, D.—Spring Mills, Pa. Set triggers Kentucky rifle with large brass patchbox and silver inlays.

MERRILL FIREARMS CO.—Baltimore, Md., 1864-67. Operated by James H. Merrill. Manufacturers of carbines, rifle and sporting arms using the Merrill system of breech-loading by a lever type breech-block. Merrill was associated with Latrobe and Thomas in 1855 to about 1864, when the Merrill Firearms Company was formed. In addition to 170 Merrill, Latrobe & Thomas carbines purchased by the government July 26, 1855, at \$35.00 each, 100 each of Merrill carbines, muskets and rifles were bought in 1859. During the Civil War, 14,695 Merrill carbines and 583 rifles were purchased by the government. In addition many thousands of muzzle loading rifles Model 1841, and rifled muskets were changed to the Merrill system. The firm ceased operations in 1869. While muzzle loading arms are known to have been altered to the Merrill system in Baltimore it is believed that the Merrill rifles and carbines were made for the firm by Remingtons.

- MERRILL, James H.**—Baltimore, Md., about 1852-64. Inventor, patentee and maker of Merrill breech-loading system carbines. Associated with Latrobe and Thomas, 1855-64. See Merrill Firearms Co.
- MERRILL, LATROBE & THOMAS**—Baltimore, Md. Makers of breech-loading carbines on the early Merrill system. The government purchased 170 Merrill, Latrobe and Thomas carbines July 26, 1855, at \$35.00 each. See Merrill Firearms Co., above.
- MERRIMACK ARMS & MFG. CO.**—Newburyport, Mass., 1867-69. Makers of military and sporting rifles and carbines under Ballard patents. Taken over by Brown Mfg. Co.
- MERRIMAN, Silas**—Repaired public arms for the State of Connecticut, April, 1777.
- MERRITT, Allen**—East Randolph, Mass., about 1855.
- MERRITT, John**—Boston, Mass., about 1789-98 and after.
- MERWIN & BRAY FIREARMS CO.**—Or Merwin & Bray, New York, N. Y. Though this firm's name appears on revolvers, they are not known to have manufactured arms, but have acted as sales agents or promoters of a number of arms companies.
- MERWIN HULBERT & CO.**—New York, N. Y. Revolver patentees 1874-77. Army type revolvers under their patents and bearing the firm's name were manufactured for them by Hopkins & Allen.
- MESSER, W. W.**—Boston, Mass. Percussion period.
- MESSERSMITH, Jacob**—Lancaster Borough, Lancaster Co., Pa., 1779-82.
- MESSERSMITH, John**—Lancaster, Pa., gun-lock maker, 1776. Came from Maryland.
- MESSERSMITH, Samuel**—Baltimore, Md. Contracted with Maryland Council for musket-locks at \$3.00 each in 1776. In July of the same year was given a contract to repair public arms for the state.
- MESSMER, Casper**—Manitowoc, Wis., 1843 and later.
- METLER, John E.**—Easton, Pa. Died 1879.
- METROPOLITAN ARMS CO.**—97 Pearl St., New York, N. Y., 1859 to about 1880. Makers of percussion revolvers similar to the Colt Model 1851, Colt Model 1862, and of rim-fire cartridge revolvers.
- METZGER, J. or Metzger, J.**—Penna. Maker of Kentucky rifles about 1778.
- METZGER, Jacob**—Frederick Town, Md. Musket maker, associated with Nicholas White, Thomas Crabb and Christopher Barnhizzle in a contract under the Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 235 were delivered by June 10, 1801.
- METZGER, Jacob T.**—Lancaster, Pa., 1857 to about 1870.
- METZGER, John**—Fredericksburg, Md. 1790.
- MEUNIER, John**—Milwaukee, Wis., 1855-1919. West Water Street. Maker of very fine percussion schuetzen rifles. Listed as John Meunier Gun Co. after 1893. After the general adoption of breech loading target rifle, Meunier built schuetzens on Ballard, Martini and Patt-Martini actions. After Meunier's death in 1919, his

son Stephen, maintained the shop until 1940 doing repair work and selling guns and ammunition. Located at 254 W. Water in 1862, West Water at Cedar in 1863, 293 West Water in 1865, West Water between Wells and Cedar in 1867-68 and at 272 W. Water 1868-1932. In 1932 listed at 946 N. 5th St., in 1933 at 827 N. 3rd St., and 1937-40 at 144 East Water Street.

MEUNIER, Stephen—Brother and employee of John Meunier, Milwaukee. Died in early 1930's.

MEWHIRTER, S.—Unlocated. Late flintlock Kentucky rifles of good workmanship.

MEYERS, Jacob—Somerset Co., Pa., 1830. (Same as J. Meyer and Jacob Mier?)

MEYER, J.—Unlocated. Reported stamping on lock and barrel of a walnut half stock percussion rifle.

MEYERS, D.—Unlocated. Marking on Penna. type Kentucky rifle circa 1825-35, with lock marked "DREPPERD, LANCASTER."

MEYER, C. H. J.—604 Pacific St., San Francisco, Calif., 1865.

MEYERS, Jacob—Gunsmith, 99 Front Levee, third district, New Orleans, La., 1853.

MEYLAN, Martin—Lancaster, Pa., 1719—about 1730; Reading, Pa., about 1760-1800 (two men?). Erected a barrel-boring mill in 1719. Flintlock Kentucky rifles.

M. H.—Unidentified. Percussion Kentucky rifles of fine workmanship.

MICKSELL, Martin—Apprentice gunmaker to Christian Werger, Leacock Township, Pa., musket maker to Committee of Safety in 1776.

MIDDLETON, Edward—Unlocated. Maker of muzzle loading, percussion shotguns.

MIDNIGHT, I. E.—Unidentified. Percussion duelling pistols.

MIER, I. or J.—Somerset Co., Pa. Kentucky rifles. (See Mier, Jacob).

MIER, Jacob—Near Salisbury, Somerset Co., Pa., early 19th century. Father of Samuel Mier. Kentucky rifles marked "J. MIER" in script.

MIER, Samuel—Near Salisbury, Somerset Co., Pa., period of 1850-1870. Son of Jacob Mier. Long, elaborate percussion Kentucky rifles with German silver inlays or brass wire ornament and engraved fancy patchboxes, hand-made lockplates, and narrow-butt, light Somerset Co. stocks; name in script.

MIFFORD, T.—Maysville, Ky. Born 1803, died 1890. Flintlock and percussion Kentucky rifles.

MILES, John, Sr.—Philadelphia, Pa. John Miles, Sr., was born in London, England, in 1752, where also was born his son, John, Jr., in 1777. They came to United States about 1790 and settled in Philadelphia, where John Miles the elder, is listed as residing at 500 North Second St., from 1790 to 1798, and at 30 South 3rd St., in 1805-08. He died May 1, 1808, and is buried in the All Saints Churchyard at Torresdale, Pa.

John Miles, Sr., of Northern Liberties, near Philadelphia, had contracts with the Commonwealth of Pennsylvania of Sept. 3, 1798, for 2,000 muskets, Charleville pattern, and of April 16, 1801, for 2,000 additional. Miles also had a U. S. contract under Act of July 5, 1798, for 400 Charleville pattern (Model 1795) muskets at \$13.40 per stand, on which account he was paid \$5,332.00 in 1800.

Records indicate that on July 23, 1801, Miles purchased the McCormick "instruments for gun making," and on Aug. 9th, 1801, agreed to take over a part of the defaulted McCormick contract "to complete the work undertaken by McCormick" for the Commonwealth of Pennsylvania. The barrels of some of the early Miles muskets are proof marked with a "liberty cap" instead of the usual eagle head.

Mary Miles, widow of John Miles, gunsmith is listed at 86 Callowhill, Phila., Pa. in 1819.

MILES, John, Jr.—Bordentown, N. J. Son of John Miles, Sr. Born in London, England, in 1777. Came to United States about 1790 and lived with his father in Philadelphia, until about 1805, in which year he is listed at 43 Chestnut Street, while his father is shown at 30 S. 3rd Street. Upon his father's death in 1808, John Miles moved to Bordentown, N. J., where on July 30, 1808, he obtained a U. S. contract for 9,200 muskets at \$10.75 per stand, of which 2,407 were recorded delivered before Oct. 7, 1812.

Of the arms delivered by Miles under the 1808 contract, many parts were obtained from sub-contractors in Philadelphia and vicinity, as was quite common in those days. Among the latter was John Kerlin who furnished Miles with 400 musket barrels. When Miles defaulted on the balance of his 1808 contract, it was completed by Miles' surety, or guarantor; the same John Kerlin, who on Feb. 12, 1811, entered into a new contract with the government for the unfinished balance of the Miles muskets. In all probability the marking was not changed.

About 1826, when Congress authorized a refund for improvements and modifications made in contract muskets, Model 1808, involving deviation from pattern, the estate of John Kerlin received the refund.

There is no record available of pistol contracts awarded to Miles, father or son. However, judging the existing specimens of Miles pistols, made in resemblance of the North Navy pistols of 1808, probabilities are that John Miles, Jr., had a pistol contract, and also made martial pistols for sale to states' militia, individual officers or to privateers.

John Miles (Jr.) died in 1852, and is buried in the churchyard at Bordentown.

MILES, Thomas—Pennsylvania rifle maker to Committee of Safety, 1782-97. Payments recorded in August and September, 1776, for rifling of arms and furnishing rifles. Thomas Miles was one of the petitioners representing Pennsylvania arms makers to the Committee of Safety of Philadelphia, in November, 1776, complaining against the high cost of material and labor entering into gun making, and quoting the advances in prices in one year, since 1775.

MILITARY LABORATORY—34 Dock Street, Philadelphia, Pa. Advertised in the Aurora "Advertiser," Jan. 1, 1800, as the place "where owners and commanders of armed vessels may be supplied with Muskets & Pistols."

MILLARD, Seth P.—Lockport, N. Y. Percussion rifles.

MILLBENZ—1825. Unidentified.

MILLER—Resided six miles north of Ithaca, N. Y. Percussion period. Maker of 4- and 8-gauge shotguns for market hunting on Cayuga Lake.

- MILLER**—Washington, Mo. Percussion rifles.
- MILLER, Abner**—Easton, Pa. Flintlock rifles circa 1810-20; over-under percussion rifle.
- MILLER, B.**—Pennsylvania. Kentucky rifles.
- MILLER, C.**—Honeoye, N. Y., about 1850. Over-under, mule ear rifles.
- MILLER, C. A.**—New Haven, Conn. Magazine sporting rifle.
- MILLER, Daniel**—Unlocated. Curly maple full-stock, octagonal barrel Kentucky rifle converted from flintlock to percussion. Deeply curved butt; engraved patchbox.
- MILLER, David**—209 Market St., Springfield, Ohio, 1870-78.
- MILLER, Elmer E.**—Millersburg, Pa. Died August 1952, aged 70. Gunsmith and inventor of a single trigger for double-barreled shotguns, and the Miller set trigger.
- MILLER, Franklin**—Wyomissing Creek, Berks Co., Pa., near Reading. Built two shops, one 30 feet by 60, with three water wheels, on Wyomissing Creek between Mohn's Store and Gougliersville, in 1821, using the creek water power to bore and grind gun barrels. Made 4,000 barrels a year. By 1854 had three factories on Wyomissing and several in other parts of the state. Also conducted a hardware store at the corner of 4th and Penn Streets, in Reading, Pa. Later was forced to dispose of his gun shops as a result of unfortunate investments and they were transformed into other commercial plants.
- MILLER, G. C.**—New Haven, Conn. Heavy, Civil War period percussion sharpshooter's rifle.
- MILLER, H.**—Unlocated. Early percussion Kentucky rifles.
- MILLER, J.**—Curly maple, full stock, brass mounted, flintlock Kentucky rifle (converted to percussion). Made without patchbox.
- MILLER, J.**—Rochester, N. Y. Percussion period, 1829. Inventor of pre-Colt percussion revolver and pill-lock revolving rifles.
- MILLER, John**—Lancaster Borough, Lancaster Co., Pa., 1773-82. Payments recorded for work on public arms in 1777.
- MILLER, John**—Penfield and Monroe, Mich., about 1830-75.
- MILLER, M.**—Unlocated. About 1850.
- MILLER, Mathias**—Strasburg County, Pa., in 1779, and at Easton, Northampton Co., Pa., in 1788. Famed for the excellent workmanship of his gun-locks.
- MILLER, Samuel**—Boston, Mass., 1730. Early, 42 inch half octagonal pinned barrel flintlock rifle with gooseneck hammer. Full cherry stock with deeply curved butt and brass butt plate, Marked "S. MILLER" on barrel flat.
- MILLER, S. C.**—New Haven, Conn., 1855.
- MILLER, Simon**—Hamburg, Pa., about 1770-1820. Master riflesmith; long silver-inlaid flintlock Kentucky rifles with incised carving. Possibly same as "S. M.", maker of a pair of flintlock Kentucky pistols carried by Col. Nathan Dennison at Battle of Wyoming, Pa., July 3, 1778.
- MILLER, W. D.**—Pittsfield, Mass., about 1850.
- MILLER, W. G.**—Unlocated. Late period flintlock and percussion Kentucky rifles.
- MILLER, William H.**—Patentee of Miller alteration of U. S. musket. In 1888 made a deposition that he had been in the cutlery busi-

ness since 1868, was now postmaster at Meriden, Conn. Age 66. Prior to 1868 manufactured firearms as supt. and contractor. Began as apprentice in firearms in Paterson, N. J. Until 1868 continually in that business. After leaving Paterson went to Chicopee manufacturing Jenks carbines, also at Mill Creek, Pa. manufacturing muskets, at Cincinnati manufacturing rifles for the Government as contractor with John W. Griffith. Came back to Paterson, N. J. was in locomotive shops six months, thence to Chicopee Falls on firearms, thence into Springfield Armory. Made a gun previous to taking out his patent in 1865.

MILLIRON, C.—Dayton, Pa. Percussion Kentucky rifle.

MILLS, B.—Benjamin Mills, a gunsmith of Charlottesville, N. C., who served with Morgan's Rifles in the War of Revolution, and settled in Harrodsburg, Ky., about 1790, and where he made arms until about 1815. The settlement of Harrodsburg was founded by Col. James Harrod.

Benjamin Mills is reputed to have armed Colonel Richard M. Johnson's regiment of mounted Kentucky riflemen, who decisively defeated the British and their Indian allies under General Proctor, in the battle of Thames River, near Moravian Town, Canada, on Oct. 5, 1813. Tecumseh was among the slain, and as a result of this defeat, his Indians deserted the British cause.

MILLS, Benjamin—Harrodsburg, Ky., percussion rifle and pistol maker of the Civil War period. Had been assistant armorer at Harpers Ferry Armory and was one of the hostages held by John Brown and rescued by Col. Robert E. Lee. During the Civil War cast his lot with the South and was rumored to have been in charge of arms production at one of the Confederate arsenals. Was reputed to make very fine trigger systems and to have numbered Fremont and Kit Carson among his clients.

MILLS, F. M.—Charlottesville, N. C. About 1790. Flintlock rifles. Apprenticed to Henry Leman. Later opened own shop at Harrodsburg, Ky. Succeeded by son Benjamin Mills.

MILLS, Jason—Pittsfield, Mass. In 1806 Jason Mills, of Springfield, Mass. purchased the old Whitney forge, and established a small gun-shop for the manufacture of fowling-pieces and other custom-work for the surrounding country. In 1808 the representatives of Mills sold out to Lemuel Pomeroy.

MILLS, Joseph—Colerain Township, Bedford Co., Pa.

MILLS, O.—Burnham, Troy, N. Y., 1839. Kentucky rifles.

MILNOR, Isaac—Philadelphia, Pa., in 1799; flintlock Kentucky rifles.

MINN. FIREARMS CO.—Minneapolis, Minn. Makers of "The Protector" palm pistols.

MISSISSIPPI STATE ARMORY—Panola, Miss. Established principally for conversion of sporting arms to military caliber. Machinery and equipment moved to Brandon, Miss., then on May 10, 1863, moved again to Meridian, Miss., due to advance of Federal troops on Jackson. The armory had employed 34 hands, boring, reaming, turning and rifling barrels, fitting locks and stocking arms.

The "Daily Clarion," Meridian, Miss., June 6, 1864, states "The carbine factory is engaged in making carbines for the cavalry, chiefly of the Maynard patent and fully equal to the best product in Yankeedom."

- MITCHELL, Joseph**—Born in Philadelphia, Pa., Nov. 19, 1798. Was apprenticed at an early age to Joseph Coons, Philadelphia gunsmith, and after finishing his service worked for a time for Brooke Evans (Brook Ivins) at Valley Forge. After a while returned to Philadelphia to manufacture arms on own account. Turned to farming in 1841.
- M. J. & G.**—Marking on Confederate rifles. See MendeHall, Jones & Gardner.
- MOCK, A.**—New York. Early American air rifles.
- MOCK, G. S.**—Unlocated. Marking on barrel of a half stock, heavy barrel, percussion match rifle of very good workmanship. Back action lock.
- MOHN, Benjamin**—Wyomissing Creek, Pa., gun maker. Built a gun shop in 1835. Gave up the business before the Civil War, and moved to Reading. The plant was taken over by Henry Worley, Mohn's superintendent, who continued the operation until about 1880. Percussion Kentucky rifles.
- MOLAN & FINN**—Contractors of Nov. 19, 1807, with Tench Coxe, Purveyor of Public Supplies, for 350 pair of pistols at \$10.00 the pair and 700 rifles at \$10.00 each. It is doubtful if any deliveries were made as the firm failed.
- MOLL, F. L.**—Franklin Co., Pa., Kentucky rifles.
- MOLL, William**—Lehigh Co., Pa., before and after 1747.
- MOLL, John I**—Allentown, Pa. Son of William Moll. Listed in 1772. Worked at the State Gun Factory with Ebenezer Cowell during the Revolutionary War. Established the Moll gun shop on 7th Street in Allentown. John Moll I died in 1794.
- MOLL, John II**—Son of John Moll I. Born May 13, 1773. Succeeded his father in the business, on the latter's death in 1794.
- MOLL, John III**—Rifle maker. Son and successor to John Moll II. Born at Allentown in 1796. In the later years of his life, and until his death in 1883, the business was managed by his son, William H. Moll.
- MOLL, William H.**—Allentown, Pa. Son of John Moll III. The last of the Molls to operate the Moll shop on North 7th Street. The shop was demolished in 1883.
- MOLL, J. & W. H.**—Allentown, Pa., until 1883. John Moll III and son Wm. H. High-class rifles and pistols.
- MOLL, N.**—Allentown, Pa., about 1840. Very heavy flintlock Kentucky rifle with German silver patchbox, Joseph Golcher lock.
- MOLL, Peter**—Pennsylvania, about 1840. (Same as Peter Moll of Hellerstown, Pa.?)
- MOLL, P. & D.**—Peter and David Moll, Hellerstown, Pa., 1812-1833, before and after. Fancy flintlock Kentucky rifle inlaid with silver, ivory, and brass; Taylor lock; barrel marked in gold inlay "PETER MOLL HELLERSTOWN, WARRANTED, MAY 26, 1826, NO. 40." Another dated Jan. 30, 1833. Rifled brass-barreled flintlock holster pistol with artificially striped stock, London lock, S in silver monogram plate—supposedly used by Sawken Light Horse Cavalry in War of 1812.
- The Molls specialized in brass-barreled, rifled pistols, artificially grained to produce "tiger striped" stocks. The effect was produced by burning a heavy, tarred twine wrapped around the

stock in the rough. On the finished stock, the heat-hardened welts produced the effect of curly maple in striped pattern. Legend has it that a sufficient number of brass-barrelled, rifled pistols was produced by the Moll brothers to equip a troop of cavalry in the War of 1812.

MOLL, P. & John, Jr.—Circa 1815, Penna. type flintlock rifle marked "P. & JOHN MOLL JR." (Same as Peter Moll of Hellerstown, Pa.?)

MOLL, P. & John S.—Circa 1815, flintlock swivel-breech, superposed rifle marked "P. & JOHN*MOLL S." (Same as Peter Moll of Hellerstown, Pa.?)

MOLL, William—Lehigh Co., Pa., about 1747.

MOLLER, Louis—712 Washington St., San Francisco, Calif. 1887.

MONTAGNY, Thomas—Vermont. War of 1812. Holster pistol of fine workmanship.

MONTGOMERY ARSENAL—Montgomery, Ala. Confederate plant engaged in arms repair and alteration of flintlock muskets to percussion.

MOON, M. A.—Buffalo, N. Y., 1828.

MOORE, Abraham—Coventry Township, Chester Co., Pa., 1770-76. Arms maker to Committee of Safety.

MOORE, Benjamin—U. S. Inspector of Arms 1810-15.

MOORE & BAKER—Unlocated. Flintlock . . . lock makers only? "MOORE & BAKER" stamped with separate stamps on lock plate of a converted flintlock on an extremely long (7'-10"), Kentucky "rifle." Also marking reported on silver inlaid, flintlock Kentucky rifle.

MOORE, D. & CO.—Operated by Daniel Moore at Brooklyn, N. Y., 1862-63. Makers of single action revolvers under the Daniel Moore patents of Sept. 18, 1860, No. 30,079 and Jan. 7, 1862, No. 34,067. In 1863 the arms in stock, 3,376 revolvers were turned over to Smith & Wesson due to an infringement of the S. & W. controlled Rollin White patent for "a cylinder bored end to end." See Moore's Pat. Firearms Co., below.

MOORE, G. A.—Barrel marking on a curly maple stock, percussion Kentucky rifle with "HENRY PARKER WARRANTED" lock.

MOORE, Geo.—Madison County, Illinois.

MOORE, George—Mount Vernon, Ohio, 1886-94.

MOORE, HENSZEY & CO.—Percussion bar lock marked "MOORE, HENSZEY & CO."

MOORE, John—96 Beaver St., Albany, N. Y., in 1820. At 8 Beaver St. in 1821—apparently bought out Hugh McClellan's shop. At 11 Beaver St. in 1834-35.

MOORE, J. P.—Union, N. Y. Active 1844-46.

MOORE, John P.—Established at 302 Broadway, New York, N. Y., in 1823. See John P. Moore's Sons.

MOORE'S JOHN P., SONS—In 1885 the firm consisted of a son, George G. Moore, son of John P. Moore, and two grandsons, John P. M. Richards and Henry M. Richards. The firm was founded by John P. Moore "who started for himself in New York, in the year 1823, after serving a regular apprenticeship of several years at the vise. From a very small beginning, our House has been gradually built up by honest dealing and strict attention to business prin-

ciples . . .". In spite of which, the firm was bought out by Schoverling, Daly & Gales in 1888.

MOORE'S PAT. FIREARMS CO.—Brooklyn, N. Y. Makers of teat primer cartridge revolvers under David Williamson's patent of Jan. 5, 1864, No. 41,184, put on the market to replace the D. Moore revolver, which was an infringement on Smith & Wesson controlled patents. The firm was identical with or succeeded by the National Arms Company of Brooklyn, N. Y. See D. Moore & Co., above.

MOORE, R. A.—Cortland St., New York, N. Y. Percussion telescopic sight, Civil War, sharpshooters rifle.

MOORE, R. R.—Seneca Falls, N. Y., 1865-67, then Cincinnatus, and later Cortland, N. Y. Apprentice of Billingham of Rochester. Made shotguns and sporting and match rifles.

MOORE, S.—Unlocated, early 19th century. Flint rifle and pistol locks; one marked "S. MOORE WARRANTED" on a P. & D. Moll Kentucky pistol.

MOORE, W.—Colerain Township, Bedford Co., Pa., 1810. Flintlock Kentucky rifles marked "W. MOORE." Possibly father of William Moore.

MOORE, William—Colerain Township, Bedford Co., Pa. 1850.

MOORE, Wm.—Madison County, Illinois. (Related to George Moore?)

MOORE, Wm.—Windsor, Conn., 1860.

MOPIN, J.—Missouri. Percussion rifles.

MOPIN, M.—New Haven, Mo. Percussion rifles.

MORGAN & CLAPP—New Haven, Conn., 1864-66. Rim-fire pocket pistols using the L. Morgan side-swing loading system.

MORGAN, G.—Galena, Ohio, active 1863-1867; Lansing, Mich., 1867-1874 or later; died 1895. According to his son he turned from blacksmithing to riflemaking about 1863. An overunder percussion rifle marked "G. MORGAN LANSING, MICH. 1874 326;" also a brass-mounted halfstock Indian rifle with Geo. Golcher lock.

MORGAN, Joseph—Morristown, N. J., 1779.

MORGAN, Joseph—Superintendent of Springfield Armory Nov. 1, 1802 to October 31, 1805. Had been U. S. Inspector of Arms 1799-1801.

MORGAN, Lucius—2 Bridge St., New Haven, Conn., 1858-77. Maker of rim-fire, side-swing pocket pistols. Associated with Clapp, in the firm of Morgan & Clapp, in 1864-66.

MORLITOR, Joseph—St. Anthony, Minn., 1858-65.

MORR, A.—Lancaster Co., Pa., about 1830-1840. Percussion Kentucky rifles.

MORRETT, L.—Friend Street, Columbus, Ohio, 1847-48.

MORRILL, MOSMAN & BLAIR—East Amherst, Mass., 1836-38. Makers of Elgin cutlass-pistols. The firm was organized April 1, 1836, by Henry A. Morrill, Silas Mosman, Jr., and Charles Blair.

The business panic of 1837, and the failure of the firm of Knowles & Thayer affected the enterprise, and the partnership was dissolved in July, 1838, the business being carried on by Mosman and Blair until February, 1839, when the firm failed,

and the machinery and effects were sold at assignee's sale. In 1837 the firm employed four hands and produced bowie-knife pistols to the value of \$2,000. The firm's advertisement in the Hampshire Gazette under date of March 8, 1837:

"Wanted—Six or eight filers, who can do first-rate work, and who feel smart enough to do a day's work in ten hours, without raising higher pressure of steam than cold water will make, and can leave their long yarns until their day's work is done. Such will find good encouragement by applying immediately to

MORRILL, MOSMAN & BLAIR"

MORRIS & BROWN—Morris W. M. and C. L. Brown of New York. Conical Repeater, 6 chambers, caliber about .41 rim fire. Patent No. 26,919 Jan. 24, 1860.

MORRIS, John—Armorer. Was paid \$32 New Emission Currency (at rate of exchange $2\frac{1}{2}$ for one, equal to \$12, specie) for cleaning and repairing 6 muskets, Phila., Sept. 28, 1781.

MORRIS, H. M.—Kentucky rifle, the buttplate tang extends over the comb of the stock for its entire length. See Morris & Brown.

MORRISON—Virginia musket maker associated with Wheeler in a contract of Oct. 21, 1808, for 2,500 Model 1808 muskets, duration five years. Only 125 were delivered by Oct. 7, 1812.

MORRISON, S.—Milton, Pa. Late flintlock period and early percussion rifles. Also made mule-ear percussion rifles.

MORROW, Abraham—Also Murrow. Philadelphia, Pa. With John Nicholson received warrants to repair the arms of the militia of Bucks, Chester, Lancaster, Montgomery and Delaware Counties, as well as of Berks and Northampton, in 1791. Had contracted with U. S. to furnish "rifle guns" in 1792, for which a payment of \$312.00 was made on account.

MORSE—Painesville, Ohio. Percussion rifles.

MORSE ARMS CO.—Greenville, S. C. about 1863-65. Makers of Confederate Morse breech-loading, brass frame carbines. Operated by Geo. W. Morse, partly with machinery which had been captured at Harpers Ferry Armory. Sufficient arms made to equip a company of Confederate troops. See Morse, George W.

MORSE ARMS MFG. CO.—See Morse, George W.

MORSE, E., Jr.—Unlocated. Half-stock, brass trim, side-by-side double rifle.

MORSE, George W.—Worcester, Mass. Inventor and maker of Morse patent carbines, patented Oct. 28, 1856, Pat. No. 15,995. On Mar. 5, 1858, the Secretary of War directed the purchase of 100 Morse carbines at \$40.00 each. The order was accepted by Mr. Morse, but no deliveries were ever made.

On Sept. 13, 1858, Morse sold to the U. S. for \$10,000 the rights to alter 2,000 muzzle-loading arms to his breech-loading system. However, only 60 muskets were completed, and parts were made for the alteration of 540 more, before the appropriations allotted for the purpose were exhausted.

In 1875, the Chief of Ordnance reported that in the spring of 1861, Mr. Morse, leaving his family in Washington, went to Richmond until after the Battle of Manassas Gap, thence to Nashville, Tenn., where he was in charge of cartridge making machinery taken by the Confederates at Harpers Ferry. He

next took the machinery to Chattanooga, then to Atlanta, and lastly to Greenville, S. C., where he "actually made arms for a company of rebel soldiers, as he declared, 'for State use to keep the peace,' which probably meant to enforce Confederate conscript laws."

In 1875, Mr. Morse ineffectually entered a claim against the government alleging infringement of his patents by every breech-loading arm made by the government since 1865, and claiming a royalty of \$5.00 on each of the 130,000 arms made. George Woodward Morse died March 8, 1888, at age of 76. See also State Rifle Works.

MORSE, Thomas—Lancaster, N. H., about 1866-90.

MOSES, M. A.—Malone, N. Y. About 1860-65. Percussion muzzle and breech-loading rifles, the latter using a steel, reloadable chamber with a recessed base for taking the primer.

MOSHELL, J. H.—Columbus, Ga. Advertised May 30, 1862 for "four or five No. 1 Blacksmiths to forge Gun Barrels by the piece. Good prices will be paid."

MOSHER, S. & S.—Unlocated. Percussion Kentucky rifle.

MOSS, Ebenezer—Maryland, 1753.

MOSSBERG, C. F. & SONS—200 Greene St., New Haven, Conn., 1920 to date. Single-shot and repeating rifles and pocket pistols.

MOSSER, D. E.—Danville, Pa. Superposed percussion rifles.

MOSSY CREEK—Tennessee foundry or gun factory reputed to have made guns at Mossy Creek as early as 1812 (unverified). Mossy Creek bridge and road at points were destroyed by Col. W. P. Saunders column of 1,500 Federals about June 21, 1863. Col. Saunders states "near this place I also destroyed the machinery of a Gun Factory and a Saltpeter Factory. (Mossy Creek, now called Jefferson City, is next station east of New Market and 29 miles east of Knoxville.

MOSTER, George—Or Morter. Earl Township, Lancaster Co., Pa., 1771-79.

MOTT, A.—Pennsylvania, early 1800's. Flintlock Kentucky rifles with silver-wire inlays.

MOULTON, R. B.—Proctorsville, Vt. Halfstock percussion harmonica rifle.

MOWER—Columbia Co., Pa. Late Kentucky rifles.

MOWRY, J. D.—Jas. D. Mowry, Norwick, Conn., Civil War contractor for Springfield rifle muskets, Model 1861:—

Dec. 26, 1861 for 30,000 at \$20.00; 10,000 delivered.

Nov. 27, 1863 for 20,000 at \$20.00; 20,000 delivered.

April 6, 1864 for 10,000 at \$18.00; 10,000 delivered.

The barrels for the Mowry arms were made by Cole & Walker on Franklin Street, on sub-contract; the locks by C. B. Rogers & Co., of West Chelsea, and the remaining parts at Mowry's own plant at Greenville.

M. S.—Unidentified. Percussion Kentucky rifle.

M. T. W.—Initials of Marine T. Wickham, Master Armorer, Harpers Ferry Armory before 1811. U. S. Inspector of Arms 1811-1815. Inspector of arms (sabers) at plant of Nathan Starr in 1814. See Wickham, M. T.

MUELLER, Hieronymus—Decatur, Illinois, maker of muzzle-loading, percussion and later of breech-loading, shotguns. German trained,

Mueller was also the town plumber and pioneered a water main tapping machine which from the founding of Mueller Co., 1857, grew into the present corporation.

MUIR, W. & CO.—William Muir, Windsor Locks, Conn. Civil War contractor of Dec. 7, 1861, for 30,000 Model 1861 Springfield rifle muskets at \$20.00 each. Contract completed.

MULHOLLAND, James—Reading, Pa. Civil War contractor of Jan. 7, 1862, for 50,000 Model 1861 Springfield rifle muskets at \$20.00 each. A total of 5,502 delivered on contract.

MULL, John—Northampton Township, Northampton Co., Pa., 1788.

MULLEN, Cyrus—Williamsburg, Ind. Percussion rifle.

MULLER, J. H.—Gunsmith, Elysian Fields, New Orleans, La., 1853

MULLIN, J. & P.—Fulton St. and 36 Maiden Lane, New York, N. Y. John and Patrick Mullin. Patrick Mullin immigrated from Ireland after gunsmithing in London and Dublin; on Fulton St. made custom percussion shotguns, later occupied shop in Maiden Lane and made plain shotguns and expensive sporting breech-loaders. His brother John made percussion rifles in the same shop.

MUNSON, Levi—Saybrook, Ohio, percussion period.

MUNSON, MORSE & CO.—63 Temple St., New Haven, Conn., 1856-1862. Listed as pistol as well as coach, saddlery and hardware manufactory. At 157 Temple St., in 1862.

MUNSON, Theophilus—New Haven, Conn., about 1700. Doglock musket.

MULLIN, Patrick—New York, N. Y., 1850.

MULLOY, N. P.—Worcester, Mass., 1869-71.

MURFREESBOROUGH ARMORY—Murfreesboro, Tenn. Confederate shoulder arms repair and reconditioning plant.

MURPHY, Justin—U. S. Inspector of Contract Arms, 1818-1831. Inspected arms in the plants of R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr, and Asa Waters.

MURRAY, J. P.—Columbus, Ga., 1856-65. Confederate shoulder arms. Master armorer for Greenwood & Gray, of Columbus, Ga., makers of Murray carbines.

J. P. Murray advertised June 8, 1860, as "J. P. Murray, successor to Happold & Murray, 46 Broad Street, Columbus, Ga., maker and dealer in Shotguns, Rifles, Pistols . . . Restocking and repairing done with neatness and dispatch." July 6, 1861, he advertised for persons who had arms on repair to call for same. August 28th, 1861, Murray received 200 flintlock Confederate muskets to convert to percussion. March 29, 1862, J. P. Murray was reported by the Macon Telegraph to be making Mississippi rifles at Columbus, Ga. See Greenwood & Gray.

MURROW, Abraham—Philadelphia, Pa., before and after 1783-91. Worked on repair of public arms in 1788-91. See Morrow, Abraham.

MUSGROVE, S.—Ironton, Ohio, percussion period.

MUSSER, H.—Mulheim, Pa.

MYER, Henry—Lancaster, Pa., arms maker for the Committee of Safety. Excused by the Executive Council from military duties Dec. 5, 1777, for the making of arms for the State of Pennsylvania, in the employ and under direction of William Henry I of Lancaster.

N

N.—Unidentified. Marking on a Kentucky type pistol.

NABURY, Thomas—Maker of gun skelps for musket barrels. In employ of Col. Peter Grubb, who operated a gun skelp forge for the Lancaster, Pa., Committee of Safety in 1776.

NAGEBAUER, Jean—Gunsmith, Moreau corner Mandeville, New Orleans, La., 1853.

NAGLE, Marcus—Maker of gun skelps for musket barrels. In employ of Col. Peter Grubb, who operated a gun skelp forge for the Lancaster, Pa., Committee of Safety in 1776.

NASH, John—New Haven, Conn., 1645. Listed as gunsmith.

NASH, Thomas—New Haven, Conn. Early gunsmith. (1638?)

NASHVILLE ARMORY—Confederate arms plant believed to have been located in the basement of the Capitol building. Arms were made from parts furnished by local gunsmiths.

NASHVILLE GUN FACTORY—Nashville, Tenn. Organized as a stock company in 1861 to manufacture arms for the Confederacy. The buildings were located on the site called "Gun Factory Playground," South 3rd, opposite Lindsley Street. The plant made Model 1841, Mississippi, type rifles until 1862, when it closed on the arrival of Federal troops. The buildings were used as a school for negroes in 1867-71, and then were occupied by the Weakley & Warren Furniture Manufactory until 1885, when the entire plant burned down.

NASON, C. F.—Auburn and Lewisburg, Me., 1863-68.

NATIONAL ARMS CO.—Brooklyn, N. Y. After 1863. Makers of National cartridge derringers, rifles and teat-primer cartridge revolvers made under David Williamson patent of Jan. 5, 1864, No. 41,184, manufactured to avoid infringement of Smith & Wesson controlled, Rollin White patent for a "cylinder bored end to end."

The National Arms Company is believed to be identical with, or successor to, Moore's Patent Firearms Co., of Brooklyn, both firms producing identical derringers and revolvers.

NEAL, Wm.—Bangor, Me. Percussion under-hammer pistols without trigger guard.

NEAL, John—Bangor, Me. Son and successor to Wm. Neal. In partnership with Charles V. Ramsdell as Ramsdell & Neal, Harlow St., post-Civil War. The partnership dissolved, Neal's shop stood at State and Harlow Streets.

NEAVE, T. & C.—Cincinnati, Ohio, percussion period.

NEFF, Peter & Sons—Cincinnati, Ohio. Makers of percussion rifle locks; one with brass lockplate, stamped with squirrel, dog, etc.

NEIHARD, Peter—See Neuhard, Peter.

NELSON, Alexander—Philadelphia, Pa. On March 25, 1776, contracted with the Colony of Virginia to furnish 600 stands of arms similar to the British pattern to be delivered at the Public Gun Factory at Fredericksburg, Va., at 4 pounds, 5 shillings, Virginia currency per stand, payable at Williamsburg, delivery to be completed before June 15, 1777. Bond with security furnished under penalty of £1,000.

Each stand is described "to consist of a good musquet, 3

feet, 8 inches in the barrel, $\frac{3}{4}$ -inch bore, steel rammers, the upper thimble trumpet-mouthed, the lower thimble with spring to retain the ramrod, bridle-lock, brass mounted; a bayonet 18 inches blade, with a scabbard; one pair bullet molds, to mould 16 bullets to every 40 guns; a priming wire and brush to each musquet; the stand compleat, well fixed and properly proved."

NELSON & CO.—Unlocated.

NELSON, Francis—Advertised for sale "gun stocks well seasoned by the large or small quantity," at his place of business opposite the Bull's Head (tavern), Strawberry Alley, Philadelphia. Advertisement in the Pennsylvania Evening Post, Aug. 31, 1776.

NELSON, Owen O.—See Dickson, Nelson Co.

NELSON, Roger—Medina-Town, Ohio, 1825.

NELSON, Roger—Medina, Ohio, 1858-60. (Same, or related to Roger Nelson above?)

NEPPERHAN FIREARMS CO.—Yonkers, N. Y., about 1859. Makers of 5-shot, percussion, pocket revolvers.

NESBITT, Robert—McLane, 3 miles south of McKean, Pa., 19th century. Farmer, surveyor, sailor, blacksmith, gunsmith. Beautiful fowling piece.

NESTLE, Frederick—Baltimore, Md., 1850-70.

NETTER, Solomon—Huntingdon Co., Pa. Kentucky rifles.

NEUHARD, Peter—Also Neihard. Whitehall Township, Northampton Co., Pa., 1786-88.

NEUBAKER—Pennsylvania, making Kentucky rifles of excellent workmanship in 1831.

NEUBERN, D.—Linn County, Iowa, 1878.

NEWBERN, J. C.—"Jimmy" and "Old Danny" Newbern, Mount Vernon, Iowa, rifle maker; 1870-1900. After his death his tools and equipment reported to have been purchased by Mr. Ralph Williams of Lisbon, Iowa, his former apprentice and shop worker.

NEWBURY ARMS CO.—Albany and Catskill, N. Y., 1855-60. Small caliber rimfire deringers and percussion revolvers based on patents of Frederick D. Newbury of Albany, N. Y.

NEWBURY, John—U. S. Inspector of Contract Arms, 1818-1825. Inspected arms in the plants of R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr and Eli Whitney.

NEWCOMB, H. W.—Eastport, Me., 1866-68.

NEWCOMER, John—Hempfield Township, Lancaster Co., Pa., 1771.

NEWHARDT, Jacob and Peter—Allentown, Pa., before and after 1774-76.

NEW HAVEN ARMS CO.—New Haven, Conn., 1857-66. The firm was organized by Oliver F. Winchester, one of the principal stockholders of the Volcanic Repeating Arms Co., which had been organized by Horace Smith and Daniel B. Wesson to manufacture a repeating pistol in 1854, and was incorporated in July, 1855, as the Volcanic. In February, 1856, the Volcanic moved to New Haven, Conn. The Volcanic failed and had to reorganize, and May 1, 1857, became the New Haven Arms Company, with Mr. Winchester as President and principal owner, and B. Tyler Henry remaining as the superintendent in charge of production.

Mr. Henry obtained a patent on an extractor feature in an improved magazine arm using rim-fire cartridges, (No. 30,446, of Oct. 16, 1860,) and assigned the patent to Mr. Winchester. The firm abandoned the manufacture of the older Volcanic type arms, and began the production of the new Henry rifles, named in honor of the inventor, whose initial "H" was also stamped on the base of the shells, a practice followed to this date by the Winchester Company.

About 10,000 Henry repeating rifles were acquired and used by the Union forces during the Civil War, the arm being known to the Confederates as "that damned Yankee rifle that can be loaded on Sunday and fired all week." Of the above number, 1,731 Henry rifles were purchased by the War Department from July 23, 1863, to Nov. 7, 1865.

In 1866, the New Haven Arms Company was reorganized, and reappeared as the Winchester Repeating Arms Company, making the Winchester rifle, which was the old Henry with certain improvements, principal of which was the Nelson King side-loading gate.

NEW HAVEN ARMS CO.—New Haven, Conn. Modern. Makers of Reising automatic target pistols.

NEWHIRTER, J.—Pennsylvania. Kentucky rifles.

NEWHOFF, F. B.—Leidersdorff near Sansome, San Francisco, Calif., 1858-60. F. Newhoff is listed at 208 Leidersdorff in 1865. (with William Harris?).

NEWLING, Price—Unlocated. Reported lock marking on a flintlock Kentucky rifle by A. Gompf, Lancaster, Pa.

NEWTON ARMS CO.—Buffalo, N. Y. Organized by Charles Newton, a lawyer, in 1914, with himself as President and John F. Nagle, brewing equipment manufacturer as Secretary, for the manufacture of Newton high power sporting rifles. The offices were at 506 Mutual Life Building, and the works at 442 Niagara Street. The firm went into receivership in 1916, and failed in 1918. About 2,400 rifles had been made by the Company before they went into receivership, and some 1,600 during the later period.

NEWTON, CHARLES, RIFLE CORP'N—1083 Ellicott Square Building, Buffalo, N. Y. Organized by Charles Newton about 1918, in competition to the Newton Arms Co., of which Mr. Newton had lost control, and which was operated by receivers. This firm had 100 Newton-Mauser rifles made for it in Germany, and never went much beyond the promotion stage, insofar as the domestic production of arms was concerned. The Company went out of existence about 1932. See Newton Arms Co., and Buffalo Newton Rifle Corp'n.

NEWTON, Moses—Connecticut, 1776. Made and sold to Connecticut and Massachusetts Committees of Safety six guns and locks; Nov. 15, 1776.

NEW YORK ARMS CO.—Double action, rim-fire pocket revolvers.

NICHOLS and CHILDS—R. Nichols and E. Childs. Patentees of a 7 shot revolving cylinder rifle, made in Conway, Mass. Patent No. 707 April 24, 1838. Caliber .36, 39 inches long.

NICHOLS, John—Philadelphia, Pa., before and after 1776-89.

NICHOLS, Jonathan, Jr.—Vergennes, Vt. Contractor under Act of July 5, 1798, for 1,000 (Model 1795) Charleville pattern muskets at \$13.40 per stand. No deliveries recorded. Probably failed in his contract.

NICHOLS & LEFEVER—Syracuse, N. Y., 1876-79.

NICHOLS, R.—See Nichols & Childs.

N. I. J.—Unidentified. Script initials on a fine, silver-inlaid percussion Kentucky rifle.

NICHOLSON, John—Pennsylvania musket maker to Committee of Safety, 1775-76. Payment recorded for making eleven pattern guns. Listed as having paid tax in Dock Ward, Philadelphia, in 1774. John Nicholson was one of the petitioners representing Pennsylvania gun makers, complaining to the Committee of Safety against the high cost of material and labor entering into arms making and quoting advances in prices within one year, in 1775. With Abraham Morrow he had been awarded warrants for the repair of arms of militia of Bucks, Chester, Lancaster, Montgomery and Delaware Counties, as well as of Berks and Northampton, in 1791. Contracted for "rifle guns" in 1792, for which payments of \$588.00 is noted. U. S. Inspector of Arms at Phila., Pa. 1800-06.

NICHOLSON, L.—Unlocated. Fancy curly maple halfstocked percussion rifle marked in script on silver inlay. Back action lock; round lid cabox and numerous small brass inlays of animals, etc.

NIPPES, Daniel—Mill Creek, Pa. Musket contractor of July 16, 1842, for 4,000 flintlock muskets, Model 1840, at \$14.75 per stand, to be delivered at the rate of 800 per annum to Jan. 1, 1846. On March 3, 1846, Nippes obtained an additional contract for 1,600 muskets, also at \$14.75 each. It is interesting to note that these last Nippes flintlock muskets were still being made on contract, three years after the manufacture of flintlock arms was discontinued at the Springfield Armory. In 1848, Nippes contracted to alter 2,000 muskets to the Maynard priming system, 1,000 on Feb. 9, at \$4.00 each, and another 1,000 on Nov. 22, 1848, at \$3.00 each.

The earliest record of the Nippes family is found in the passenger list of the ship *George* of Portland, Francis White, Master, which arrived from Rotterdam, Holland, Oct. 26, 1796. Among the passengers are mentioned Abram, Daniel and Wilhelm Nippes, as well as Anna Christiana and Anna Catharina Nippes.

The first record of the Nippes family, arms makers, is found in a contract awarded to Nippes in association with Winner and Steinman, on July 20, 1808, for 9,000 Model 1808 muskets, five years duration, of which 3,900 are recorded to have been delivered by Oct. 7, 1812, and presumably in time the contract was completed. There are known Model 1808 muskets with lock-plates marked "W. N. & S." This stands for Winner, Nippes & Steinman.

The Philadelphia City Directory lists Abraham Nippes as residing at 262 St. John Street in 1813, and William at the same address in 1813, and at 254 St. John Street in 1819-20. In 1829 Abraham Nippes is listed at 111 Dillwyn and William Nippes at 127 Dillwyn. Daniel Nippes is not shown, and may have been at the Nippes Mill, at Mill Creek, where the Model 1840 Nippes muskets were made later. Daniel's son, Albert S. Nippes, was the superintendent of the Nippes works, and Sharps early rifles are known made about 1848, marked A. S. Nippes.

NIXON, Austin—Washington Street, Buffalo, N. Y., 1832.

NOBLE & LITTLE—Unlocated. Flintlock Kentucky rifle.

NOLL, J.—Maryland? 1803. Relief carved fullstock Kentucky rifles of fine workmanship. One known dated 1803.

NORCROSS & ALLEN—Unlocated. Underhammer percussion pistol.

NORDHEIM, G. A.—Yreka, Calif., maker of percussion sporting rifles and target rifles with burl walnut half stock, double set triggers, brass cap boxes and iron mounts.

NORMAN, John—U. S. Inspector of Arms, in year 1830.

NORRIS, A.—Unlocated. Reported flint lock on a D. Marker, Kentucky rifle.

NORRIS, S. & W. T. CLEMENT—Springfield, Mass. Civil War contractors to the State of Massachusetts in 1863, for 2,000 Model 1863 Springfield rifle muskets. Contract extended in 1864 for an additional 1,000. These arms were marked "S. N. & W. T. C. for Mass."

NORRIS, W.—Unlocated, 1833 (or 1838). Percussion Plains rifle, back-action lock marked Williams Warranted.

NORTH CAROLINA GUN FACTORY—Established at Halifax in 1776, James Ransome, Esq., superintendent. Records indicate manufacture and delivery of arms in 1777. In 1778 the factory was ordered dismantled and equipment sold, except for 36 completed muskets, which were to be turned over to the Commanding Officer of the Guard at Halifax.

NORTH CAROLINA STATE ARMORY—Florence, N. C. Confederate small arms plant operated by Capt. Zimri S. Coffin, Confederate Ordnance Agent, and employing 30 to 40 hands.

NORTH & COUCH—Middletown, Conn., about 1860. Makers of a six-barrel trap pistol.

NORTH, H. S.—Middletown, Conn. Maker of North & Skinner revolving rifles and shotguns, patented June 1, 1852, No. 8982.

NORTH & SAVAGE—Henry S. North and Edward Savage of Middletown, Conn., 1856-59, makers of the Savage-North figure-8 trigger, 6-shot, sliding cylinder revolvers made under the Henry S. North patent of June 17, 1856, No. 15,164.

One hundred revolving pistols were purchased by the government from North & Savage May 23, 1857, at \$20.00 each, and an additional 500 were contracted for July 10, 1858. Ninety-nine were issued to the army in 1858.

The firm was succeeded in 1860 by the Savage Revolving Firearms Company, manufacturing the improved Savage revolvers. See Savage Revolving Arms Co.

NORTH & SKINNER—See H. S. North.

NORTH, Selah—Stow's Corners, Summit Co., Ohio, 1835.

NORTH, Simeon—Middletown, Conn. Active 1799-1852. A descendant of an old New England family, Simeon North was born at Berlin, Conn., July 13, 1765, and according to family history began earning his livelihood as a farmer. In 1795 he purchased a water power mill adjoining his farm, and started the manufacture of scythes. It was probably this training as a metal worker and machinist, as well as a natural mechanical bent, that prompted him to secure a government contract on March 9, 1799, for the manufacture of 500 horse pistols at \$6.50 each, to be delivered in one year. Possibilities are that he learned the

rudiments of arms manufacture from a neighbor, Elias Beckley whose gunsmith shop was but a mile away from North's birthplace at Berlin.

The first North pistols, Model 1799, patterned after the French Model 1777 army pistols, were satisfactory, and even prior to the completion and delivery of the first lot of 500 North was awarded on Feb. 6, 1800, another contract by James Henry, Secretary of the Department of War, for 1,500 additional pistols at \$6.00 each to be completed by Feb. 6, 1802. These earliest North pistols of the French, brass frame type, are marked with Cheney's name as well as North's, though all North contracts known, are signed by Simeon North alone. According to the North family history, Elisha Cheney, a brother-in-law and clock manufacturer by trade, had a working agreement with North, about 1811, to make screws and pins for North pistols but partnership is denied.

After the completion of the first contracts, North resumed the manufacture of farm implements until June 30, 1808, when he obtained a contract for 1,000 pair of navy boarding pistols at \$11.75 a pair, to be made according to Navy Department patterns but with certain North improvements. To fulfill this contract North enlarged his factory and applied his mechanical ability and inventive genius to the development of labor saving machinery and the modern principle of standardization of parts, by assigning the production of identical parts to individual workmen, until a large number were finished. This method, far ahead of those times of individual craftsmanship, not only saved time and labor, but resulted in giving North arms a reputation for a more uniform and better product.

The pistols of the contract for Model 1808 having been "much approved," the contract was extended, and on Dec. 4, 1810, the navy contracted for an additional 500 pairs at \$12.00 the pair.

In the meantime, in 1808, Congress passed an act for the arming and equipping the whole body of the militia of the several states by the Federal Government, and in 1810, Simeon North contracted under the provisions of this act, with Trenchard Cox, Purveyor of Public Supplies, to manufacture horse pistols for the army (Model 1810). It is at about this time that North was commissioned as Lt. Colonel in the 6th Connecticut Regiment.

Shortly before the declaration of War of 1812, North at the instance of the Secretary of War, backed by promise of further contracts, enlarged the capacity of his Berlin shops and when on April 16, 1813, he was given a contract for 20,000 pistols (Model 1813), he erected a new, large factory at Middletown, Conn., six miles from Berlin. The Berlin shops were continued in operation under supervision of North's eldest son, Reuben, making forgings for the Middletown factory, until 1843, when they were closed, and in 1857, the buildings were destroyed by a flood.

In the pistols made at Middletown factory, which was built according to the most advanced ideas of the time, Colonel North successfully embodied the principle of standardization and interchangeability of parts, then a project open to skeptical criticism.

The delivery of pistols under the contract of 1813, which was to be completed in five years, was delayed by a year, du

to modifications introduced in 1816. On July 1, 1819, before completing the delivery under the old contract, North entered into a new contract for 20,000 horse pistols (Model 1819), which he completed in 1823, well in advance of specifications.

On November 16, 1826, Colonel North undertook a contract for 1,000 navy pistols (Model 1826) at \$7.00 each. This contract was repeated by another for the same model and same number on Dec. 12, 1827, and again for an additional 1,000 on Aug. 12, 1828. These 3,000 pistols (Model 1826), were the last of the North pistol contracts.

Simeon North had entered into the manufacture of rifles in 1823, and in 1828, with the expiration of the last of the pistol contracts, he turned his entire attention to the manufacture of rifles, both the standard muzzle-loading types, and the Hall breech-loaders. Between 1799 and 1828, Simeon North had manufactured and delivered some 50,000 pistols to the United States Government.

The following are the North long arms contracts, known and recorded at the date of publication:

Dec. 10, 1823—6,000 Model 1817, standard flintlock rifles at \$14.00 each, duration five years, at 1,200 per year from July 1, 1823.

July 22, 1828—1,200 Model 1817, standard flintlock rifles at \$14.50 each, delivery within one year.

Dec. 15, 1828—5,000 Hall breech-loading flintlock rifles at \$17.50 each, delivery 1,000 per year from July 1, 1829.

July, 1829—1,200 Hall rifles.

June, 1833—1,000 carbines for Dragoons at \$20.00 each, delivery between January and May, 1834.

Jan. 27, 1835—4,000 Hall rifles.

June 20, 1836—2,500 Hall carbines at \$18.00 each, duration to Dec. 31, 1837.

May 2, 1839—10,000 Hall carbines at \$18.00 each, duration five years, at 2,000 per year from Jan. 1, 1840.

Dec. 30, 1845—2,000 Hall carbines at \$17.50 each.

Feb. 4, 1848—1,000 Hall carbines at \$17.50 each.

Feb. 5, 1850—3,000 Hall carbines at \$17.50 each.

Simeon North is reported to have had two other orders of Nov. 23, 1835, and Jan. 6, 1836, both for Hall carbines, details unknown at this time. Colonel North died in 1852, after more than half-century of providing arms to the government.

NORTON, Lyman—Susquehanna District, Pa. Percussion sporting rifle.

NORWICH ARMS CO.—Norwich, Conn. About 1875. See Norwich Lock Mfg. Co.

NORWICH ARMS CO.—Norwich, Conn., Civil War contractors for Springfield rifle muskets: April 1, 1864, for 10,000 at \$18.00 each, and Oct. 16, 1864, for 15,000 at \$19.00 each. Both contracts fulfilled.

The firm also had produced a few Armstrong & Taylor rifles.

The Norwich Arms Company had two plants; barrels and bayonets were made at the Franklin Street shop, the stocks and locks in a plant near Shetucket. The firm failed at the end of the Civil War, and the assets were sold at auction.

NORWICH LOCK MFG. CO.—Also Norwich Arms Co., Norwich, Conn., about 1873-77 and later. Makers of Union Jack, Inter-

national, and other cartridge revolvers. It is believed that the firm is identical with the Hood Fire Arms Co., of Norwich, Conn.

NULL, G.—Penna. Rifle of indifferent workmanship.

NUNNEMACHER, A.—Andrew, Abraham or Abram. New York County, Pa., 1779-83.

NUTTING, Ebenezer—Falmouth, Maine, 1724-25. Active in the trade about 1725-45. Early, 43 inch, part octagonal, pinned barrel flintlock rifle with full cherry stock. Marked "E. NUTTING" on barrel flat.

NOWLIN, Abram Cephus—Born in Patrick Co., Va., 1825; died 1913. Flintlock and percussion Kentucky rifles. Wounded in Confederate Army; after Civil War moved to Stark Creek near Cross Timbers, Hickory Co., Mo. Complete gunmaking; made one lock. Father of Tom Newlin.

NOWLIN, Tom—Stark Creek near Cross Timbers, Hickory Co., Mo. Born 1879, son of Abram C. Nowlin. Percussion rifles. Moved to Kansas City before World War II; machinist, does restoring and reconditioning.

N. W. P.—Initials of N. W. Patch, U. S. Inspector of Contract Arms, 1834-1840 at plant of Nathan Starr.

O

OAKE, C. & SON—Jacksonville, Florida. Side-by-side, combination percussion rifle-and-shotgun equipped with back-action locks.

OAKES, Samuel—Philadelphia, Pa., before and after 1800.

OBERTHOLTZER, Christian—Lancaster, Pa., arms maker to Committee of Safety, 1775-77. Excused by the Executive Council from military duties on Dec. 5, 1777, for the making of arms for the Commonwealth of Pennsylvania, in the employ and under direction of William Henry I of Lancaster.

OBERTEUFFER, C. A.—Phila., Pa. Brass barrel flintlock pistol with lock probably by Spang & Wallace.

OBLINGER, David and Walter—Piqua, Ohio, 1870-88.

OBLINGER, S.—Troy, Ohio, 1869-78.

ODELL, S.—Natchez, Miss. Kentucky rifles.

ODLIN, John—Boston, Mass. 1671-82.

OFFREY, P.—Gunsmith, 173 Chartres, New Orleans, La., 1853.

OGDEN, C.—Owego, N. Y. Three-barrel percussion gun.

OGDEN, J.—Owego, N. Y. (Related to C. Ogden?)

OGDEN, W. & C.—Owego, N. Y. Percussion period. Prolific workmen.

OHLENHAUSEN—Wooster, Wayne Co., Ohio.

OLDHAM, Thomas—East St. Clair Township, Bedford Co., Pa., 1850. Maker of Kentucky rifles.

OLIVIER, John—37 George St., Baltimore, Md., 1810.

OLMSTEAD, Morgan L.—Auburn, N. Y.

O. M.—Heavy, home-made buffalo rifle, oak half stock with sowbelly butt. Remington Cast Steel barrel. Initials "O.M.", cut in pewter fore-end tip, both sides.

O'MARA BROTHERS—Detroit, Mich., 1865-70? A three barrel gun, two rifles side by side with shotgun barrel underneath.

- O. N.**—Initials of Noble Orr, U. S. Inspector of Arms, 1799-1801.
- O'NEAL**—Unlocated. Rifle maker.
- O'NEAL, David**—Geary near Kearny, San Francisco, Calif., 1858.
- ONG, E.**—Philadelphia, Pa., before and after 1773-77. Had worked at the State Gun Factory, at Philadelphia, under Peter Dehaven.
- ORAHOOD, J.**—Bellefontaine, Ohio, 1858. Percussion rifles.
- ORGILL BROS. & CO.**—Memphis, Tenn., 1860.
- ORMSBY, E. S.**—Unlocated. Pill-lock revolving rifle.
- ORR, Hugh**—Came to America from Scotland and established at Bridgewater, Mass., in 1737. Is known to have made 500 stands of muskets for the Province of Massachusetts Bay in 1748, which arms were subsequently removed by the British on their evacuation of Boston in 1776. Orr was active as an arms maker during the Revolutionary War. Born at Lochinwinioch in January, 1717; died in December, 1798.
- ORR, Noble**—U. S. Inspector of Arms 1799-1801. His initial "ON" are found on Whitney contract musket stocks.
- ORR, Robert**—Son of Hugh Orr. Appointed Master Armorer at Springfield Armory in 1795.
- OSBORN, Lot**—Waterbury, Conn., 1776-77. Musket maker to the state. Arms marked with name or initials and "S. C." for State of Connecticut. Received payment for thirty-seven guns without bayonets and thirty-seven with bayonets; Jan. 14, 1779.
- OSBORNE, H.**—Springfield, Mass., musket maker before and after 1812-21.
- OSGOOD GUN WORKS**—Norwich, Conn., about 1880. Rim-fire "Duplex" and "Monarch" revolvers.
- OSHKOSH TRAP GUN CO.**—Oshkosh, Wis. About 1910. Cheap, single barrel shotguns.
- OVERBAUGH, C. E.**—300 Broadway, New York, N. Y., before and after 1879-87. Top action target rifles.
- OVERLY, Peter**—Kentucky. About 1812.
- OVERTON, J.**—Arkadelphia, Ark., percussion period.
- O. W. A.**—Initials of O. W. Ainsworth, U. S. Inspector of Arms within years 1831-1850.
- OWENS, E. G.**—Denver, Col., 1879-80.
- OWENS, Lemuel**—Zanesville, Muskigum Co., Ohio, 1810-20.

P

- P**—See Pennsylvania State Gun Factory.
- P.A.**—Phil Anglin, ("Old Uncle Phil"), Robertson Co., Tenn., maker of flintlock and later percussion, Kentucky rifles. Maker of a 61" flintlock rifle marked "P.A.", with lock by John Kirkman, Ashville, Pa. Also made tiger maple, full stock, .38 caliber, percussion rifle with set triggers and lock apparently of own manufacture.
- PACHARD, William**—Elyria, Ohio, 1859-60.
- PACHMEYER, A. M.**—Los Angeles, Calif. Modern.
- PACKARD, Charles**—Arms stocker, Springfield Armory, 1795.
- PACKARD, William**—Elyria, Lorain Co., Ohio, 1859-60. Half-stock, percussion, octagonal barrel rifle.

PACKSON—With Bennett settled on Kent Island, Md., in 1631. Maryland's first gun makers. Established three years before the founding of the Province by Calvert.

PAGE, Allen W.—108 Maiden Lane, New York, N. Y., 1801.

PAGE, John—Preston, Conn., Gun-lock maker to Committee of Safety. Delivery recorded of twenty-four bridled gun-locks, and payment made in August, 1777.

PAGE, John—Norwich, Conn., gunsmith, 1780. Originally from Preston, England. (Same as John Page, gun-lock maker to C. of S. above?)

PAGE, LEWIS ARMS CO.—Chicopee Falls, Mass. Small caliber rim-fire cartridge rifles.

PAINE, KNOX & CO.—Kentucky. About 1860. Squirrel rifles. Elihu Paine.

PAINE, S. T.—Unlocated. Half stock target rifles.

PALM, Isaac—Pennsylvania.

PALM, Frederick—Ulster County, New York, rifle maker, 1769-1775. One of four rifle makers induced by Sir William Johnson to come out from Pennsylvania and settle in New York State by grants of buildings and tools. By 1775 rifle making became an enterprising industry with most of the settlers and Indians trading their smoothbores for rifled arms, and New York was second only to Pennsylvania in their manufacture.

PALM, Jacob—Pennsylvania about 1764-68 and Ulster County, New York 1769-1775, rifle maker. One of four rifle makers induced by Sir William Johnson to come out and settle in New York State by grants of buildings and tools. Flintlock Kentucky type target and hunting rifles, numbered. Heavy flintlock match rifle, silver-inlaid stock, marked No. 4; numbers 109 and 206 known. Related to Frederick Palm?

PALM, John—Lancaster, Pa.

PALMATEER & WRIGHT—Poughkeepsie, N. Y., 1835-46.

PALMER, Amasa—Connecticut. Musket maker to Committee of Safety. May 3, 1776, with Hezekiah Huntington applied for payment for 27 muskets and 25 gun-locks made by them.

PALMER, Thomas—North Ward, Philadelphia, Pa., 1773-76, before and after. Musket maker to Committee of Safety of Philadelphia in 1776. President of the committee of petitioners, representing gun makers, complaining to the Committee of Safety in November, 1776, against the high and rising cost of materials and labor entering into gun making, and quoting advances in prices within one year, since 1775.

He advertised in the Pennsylvania "Gazette," March 31, 1773: "Tho: Palmer, Gun Smith, at his shop: the north side of Market-street, between Fourth and Fifth-streets . . . well made Rifles, of different lengths and Sizes of Bores, which he will insure to the Purchasers, to be as good and as handsomely fitted up as any made in America; he likewise makes Fowling Pieces, of different Sizes, such as have been approved of by Gentlemen of this City. All persons that will please to favour him with their Custom, shall be served with great Dispatch and care."

PALMER, Thomas—Inspector of Arms for U. S. in Philadelphia, 1808-10.

PALMER, W. R.—New York City, 1848-51.

PALMETTO ARMORY—Established at Columbia, S. C., by Messrs. Glaze & Boatwright in 1852, with machinery bought from the Waters Armory of Millbury, Mass., to manufacture arms for South Carolina, when and if the state were to secede from the Union. In 1852-53, the armory produced Model 1842 percussion pistols, Model 1842 muskets, and a few Model 1841 percussion rifles. From 1861 until February, 1865, when the armory was burned by Sherman's troops, the plant manufactured cannon, minie rifle balls and 18 pdr. shells for the Confederacy. Probabilities are that flintlock muskets were altered to percussion at the armory during the Civil War, but no new arms manufactured. The plant was rebuilt later, and was known as the Palmetto Iron Works, or Shields' Foundry. The firm was in existence until several years ago, and the building still standing, although in rather delapidated condition, at the northeast corner of Lincoln and Laurel Streets.

PALMETEER, Peter—Or Polmateer. Poughkeepsie, N. Y., 1835-60.

PALMETEER & WRIGHT—Poughkeepsie, N. Y., 1835-1846.

PANCOAST, A. R.—Vicinity of Morganstown, W. Va. Rifle maker.

PANCOST, E. L.—Greensboro, Greene Co.; later at Elizabeth, Allegheny Co., Pa. Trained under Barney Engle at Greensboro in the early 1870's. Made gain-twist rifles. Maker of a fine, curly maple, full stock .33 caliber percussion rifle with lock marked "G. GJULCHER," (G. Goulcher).

PANNABECKER, Daniel—Employed as musket barrel maker by Joseph Henry in 1810.

PANNABECKER, Jefferson—Hopeland, Lancaster Co., Pa., about 1790-1810. According to Mr. R. E. Gardner, the family of Pannebeker, (including variations in spelling), Pennsylvania gunsmiths, are descended from a Dirck Clasen, a "panne backer" or tile baker, an early (1640) Manhattan settler, whose descendants migrated to Pennsylvania, and founded the line. One of the descendants was the late governor of that state, Samuel Pennepacker.

PANNABECKER, Jess—Adamstown, Lancaster Co., Pa., about 1820-1840.

PANNABECKER, Samuel—Muddy Run, Lancaster Co., Pa., about 1780. Heavy flintlock Kentucky rifle.

PANNEBECKER, Jess—Or Pennypacker. Elizabeth Township, Pa., about 1820-40. (Same as Jess Pannabecker of Adamstown, Pa.?)

PANNEBECKER, John—Adamstown, Lancaster Co., Pa., before and after 1863-66.

PANNEBECKER, L.—Unlocated. Flintlock Kentucky Rifle.

PANNEBECKER, Wm., Sr. (or Pannabecker)—Mohnton, Berks Co., Pa., about 1800-1818 and later. Made flintlock Kentucky rifles, also locks and barrels for shotguns. Thirteen-pound Kentucky match rifle with carved curly maple fullstock, globe and peep sights.

PANNEBECKER, William, Jr.—Son of William, above. Born 1818 and associated with his father, whom he succeeded. At Trenton, N. J., 1860-65, then back at Mohnton, where he died in 1880.

PANNET, W.—Unlocated. Marking on barrel of circa 1845 rifle.

PARK, John—Williamsburg, Clermont Co., Ohio, 1878-82.

- PARKE, Henry**—Maker of a curly maple, full stock, brass trimmed, percussion, smoothbore sporting gun.
- PARKER, A.**—DeSoto, Iowa. Set trigger percussion rifle of fine workmanship. Name of town obsolete, having been changed in the 1850's.
- PARKER, A. B.**—Three Mile Bay, N. Y. Percussion rifles.
- PARKER, Charles**—Meriden, Mass., before and after 1868. Double barrel percussion hammer, later hammerless, shotguns.
- PARKER, FIELD & SON**—Makers of flint locks for sporting rifles.
- PARKER, Henry**—Unlocated. Probably lock maker only. Late flint and early percussion locks marked "HENRY PARKER WARRANTED," in old English letters. Flint lock on Jason L. Harris Kentucky rifle; percussion lock on J.L. (Joe Long) Kentucky rifle.
- PARKER, Henry**—Flintlock Kentucky rifle.
- PARKER, H. & CO.**—Trenton, N. J. Flintlock Kentucky rifles.
- PARKER, H. & CO.**—Trenton, N. J. Modern.
- PARKER, J. or I.**—Unlocated. Kentucky rifles.
- PARKER, Samuel**—Philadelphia, Pa., musket maker to Committee of Safety, 1776. One of the petitioners, representing the gun makers, to the Committee of Safety at Philadelphia, November, 1776, complaining against the high cost of materials and labor entering into gun making, and quoting advances in prices within one year, from 1775.
- PARKERS, SNOW & CO.**—Meriden, Conn. Civil War contractors of Sept. 28, 1863, for 15,000 Model 1861 Springfield rifle muskets at \$19.00 each. Contract fulfilled.
- PARKER, W.**—Unlocated. Percussion rifle marked "W. PARKER 1876."
- PARKESON, B. L.**—W. Va. Late flintlock Kentucky rifles.
- PARKHILL, Andrew**—Dock Ward, Philadelphia, Pa., 1779.
- PARKHURST, Wm. (or Henry?)**—Amherst, N. H. Percussion rifles.
- PARKS, Horace**—Columbus, Ohio, 1873-93. Associated with Charles McLeish, 1878-80; with W. L. Garber, 1886-88, and with Irwin 1888-93.
- PARMALEE, Phineas**—Armorer to the Continental forces in 1775.
- PARRISS, W. A.**—Pensylvania; very early flintlock Kentucky rifle.
- PARSON**—Plattsburg, N. Y., 1857-60.
- PARSONS, Hiram**—Baltimore, Md., 1819.
- PARTRIDGE, W.**—Unlocated. Marking on the lock of a percussion sporting rifle.
- PASSAGE, C.**—Rochester, N. Y. Percussion rifles.
- PATCH, N. W.**—U. S. Inspector of Contract Arms, 1834-40. Inspected arms at the Nathan Starr plant 1834-40.
- PATCHEN, I.**—Unlocated. Percussion over-under rifle-and-shotgun.
- PATENT ARMS MFG. CO.**—Paterson, N. J., 1836-42. Manufacturers of revolving arms under Colt's patents of Feb. 26, 1836, and Aug. 29, 1839. See Colt Patent Arms Mfg. Co.
- PATERSON**—Unlocated. Marking on silver inlaid, artificially striped, fullstock Kentucky rifle.
- PATT, Christopher**—Alma, Wis. Made Martini-style rifle actions

(some of which were used by John Meunier.) Is believed to have made complete rifles also.

PATTERSON—Juniata Co., Pa. Father and son made Kentucky rifles.

PATTERSON, R.—Unlocated. Kentucky flintlock rifle with N. Beyer barrel, Golcher lock. Possibly one of the Pattersons of Juniata Co., Pa.

PATTON, William—Springfield, Ohio, 1850-68.

PAUL, Andrew—Pennsylvania, 1831.

PAUL, C.—Syracuse, N. Y. Percussion, Schuetzen type rifle.

PAUL, I.—Unlocated. A half stock, .52 caliber percussion rifle.

PAUL, Wm.—Bedford Co., Pa.

PAULI, C.—Syracuse, N. Y. Percussion target rifles.

PAULMER, Jacob S.—Unlocated. Script marking on half stock percussion rifle.

PAXSON, W. & J. R.—Philadelphia, Pa. Flintlock on early Kentucky rifle.

PAYNE, S. L.—Erie, Pa., 1850.

PAYSON & NURSE—Boston, Mass. Late flint sporting rifle with 33" octagonal barrel and full cherry stock with cheekpiece and patchbox. Also of a heavy barrel, muzzle-loading percussion rifle.

P. B.—Unidentified. Marking on Kentucky rifles.

P. C. V. R.—Unidentified. Stamped inside hand-forged lock of early flintlock Kentucky rifle by I. P. Beck.

PEACOCK, J. & THATCHER, H. C.—Chicago, Ill. Percussion match rifle of fine workmanship, with back action lock and barrel marked (in separate stamps), "J. PEACOCK & H. C. THATCHER," "CHICAGO, ILL."

PEARSON, James—Pennsylvania musket maker to Committee of Safety, 1775-76.

PEAVEY, A. J.—South Montville, Me. Maker of a .22 cal. knife-pistol patented in September, 1865, and March 27, 1866.

PECARE & SMITH—180-182 Center St., New York, N. Y., 1849. Makers of 10-shot and 4-shot percussion pepperbox pistols. Jacob Pecare and Josiah Smith.

PECK, Abijah—Hartford, Conn. Contractor to U. S. under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795), muskets at \$13.40 per stand. Of these 775 were delivered by June 10, 1801.

PECK, Eli—Gunsmith. 139 Green., Phila., Pa., 1819.

PECK, John C.—Atlanta, Ga., 1861. Maker of a percussion rampart rifle listed as "rifled wall piece" on p. 85, Catalog of Arms and Accoutrements of Springfield Armory. John C. Peck, Atlanta business man had been owner of a planning mill. With Francis Day owned a building on south side of Decatur St., at Pratt where "Joe Brown Pikes" used to arm the Georgia militia are reputed to have been made. (J. C. Peck is not in the list of pikes furnished, nor is Francis Day.)

The property was sold July 1, 1863 to G. A. Trenholm of Trenholm, Frazer & Co., fiscal agents for the Confederacy. Reputed to have been used as a Confederate Armory, but this lacks authentication.

PECK, Levi—Phila., Pa. Listed as gunsmith at 137 Green, in 1829.

PECKHAM & BARKER—Providence, R. I. Half-stock, curly maple, brass trim, flintlock sporting gun.

PEDEN, D. T.—Greenville Co., S. C. Percussion rifle.

PELAUX, Peter—Skilled armorer employed at U. S. Arsenal at Schuylkill, Phila. Same as Peter Peloux?

PELOUX Peter—Phila., Pa. Listed as gunsmith in Philadelphia Directory in 1816, back of 190 Cedar St., as Peter Palaix. In 1819 and 1829 he is listed as Peter Peloux. His name "Peloux," obliterated, is marked on locks of a pair of "Roman candle 3-shot?" or Chambers system?" type of flintlock pistols with external main springs.

PENCE, Jacob—Earl Township, Lancaster Co., Pa., 1771.

PENNABECKER, James & Jesse—Clay Township, Lancaster Co., Pa. Erected a rifle-barrel factory on the site of an old grist and saw mill which had been erected on Middle Creek in 1755. Rebuilt into a grist mill in 1861 by Jesse Pennabecker.

PENNEL, Joshua—Southampton Township, Bedford Co., Pa., 1844.

PENNSYLVANIA RIFLE WORKS—G. Dunlap, operator. Percussion period. Makers of "hardware store" guns.

PENNSYLVANIA STATE GUN FACTORY—Established by the state at Philadelphia in February, 1776, as a gun-lock factory under the direction of Peter De Haven and Benjamin Rittenhouse, Major Meredith, Captain Wilcocks and Captain Peters are also mentioned on the Board. Later the activities of the factory were expanded to include gun manufacturing. About Dec. 13, 1776, on the approach of the British to Trenton, the stock and equipment were hastily moved to French Creek, a little west of Valley Forge, where the factory was re-established on the grounds of the Continental Powder Mills erected by the state in 1776. The factory was moved again to Hummelstown, east of Reading, Lancaster Co., about the 12th of September, 1777, on the approach of the British under General Wm. Howe; Peter De Haven being furnished a warrant to "impress wagons to carry off Gunpowder and Stores from French Creek and raise a guard . . ."

Dec. 17, 1778, the factory was ordered dismantled by the Supreme Council of Philadelphia, and the equipment and stock sold at auction by George Henry, who on May 3, 1779, accounted for the sale to the Council.

Robert Towers, later an employee of the factory, had been ordered as early as Oct. 27th, 1775, to mark muskets made and proved in Philadelphia with the letter "P," (probably for "proved" rather than "Philadelphia" or the state initial), and probabilities are that this letter "P" was marked on all arms made at the factory.

While the gun factory was at Hummelstown, a petition regarding prices, signed Oct. 30, 1777, shows the following to have been employed as gun stockers at the plant: Joseph DeLaven, William Atkinson, Conrad Switzer, Conrad Bartling, William Faries, Archibald Curry, Frederick Wharton, Joseph Weaver, Joseph Eastburn and Isaac Johns.

PENNSYLVANIA STATE GUN REPAIR SHOP—Allentown, (old name was Northampton), Pa. Probably established about September, 1777, when the British took Philadelphia. The shop also served as an arsenal or depot, where on May 11, 1778, were stored 800 complete stands of arms and 150 in assembly, as well

as other field equipment. James Walsh was Superintendent of Arms.

PENNYPACKER, Daniel and William—Daniel, a German gunsmith, located in Cumru Township on Wyomissing Creek, Pa., in 1773. Employed five hands by 1776, disposing of his arms in Philadelphia during the Revolutionary War. Made locks and stocks by hand, using Wyomissing Creek water power to bore and grind barrels. His son William took over the shop in 1808. William retired from the trade about 1858, when the gun making business on the Wyomissing went into a decline.

PENSHALLOW, Capt. John—Boston, Mass., 1726.

PERKIN—Probably same as Joseph Perkin(s), Philadelphia, and I. Perkin. Born in England; first master armorer at Harpers Ferry Armory, Va. A long goose gun marked PERKIN PHILADA., about 1785. Brass-barreled flintlock pistols; brass-mounted flintlock holster pistol.

PERKIN, Henry H.—U. S. Inspector of Contract Arms 1813 to Jan. 1817. Inspected arms (sabers and N.C.O. swords) at plant of Nathan Starr.

PERKIN, Joseph—First Superintendent Harpers Ferry Armory (1803). Inspector of Arm for New England District, 1813. Probably identical with Joseph Perkins.

PERKINS, Jacob—U. S. Inspector of Contract Arms at Asa Waters plant in 1821.

PERKINS, James—Bridgewater, Mass., musket maker associated with Adam Kinsley in a contract under Act of July 5, 1798, for 2,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. There were 1,550 reported delivered by June 10, 1801.

PERKINS, Joseph—Philadelphia, Pa., 1783-89. Worked on public arms, with five payments recorded in 1788, totalling 1078 pounds, 14 shilling, 5 pence.

PERKINS, Luke—Bridgewater, Mass., before and after 1800.

PERKINS, Rufus—North Bridgewater, Mass., musket contractor on Oct. 31, 1808, for 2,500 Model 1808 muskets; duration five years. Of these 200 were reported delivered by Oct. 7, 1812.

PERRY, A. D.—Alonzo D. Perry of Newark, N. J. 1855-58. Maker of Perry breech-loading, percussion, mechanically primed pistols, carbines and sporting rifles under patent of Jan. 16, 1855, No. 12,244. Two hundred carbines were ordered from A. D. Perry by the War Department April 12, 1855, at \$25.00 each. Some Perry carbines were also purchased and used by the navy.

PERRY & GODDARD—1868. Makers of double-derringers.

PERRY, H. V.—Fredonia, N. Y., from about 1840; 3-barrel rifles. Moved to Jamestown, N. Y., in 1850; percussion hunting rifles, mule-ear shotguns, 3-, 4-, 5-, and 6-shot revolving rifles. After about 1875 specialized in heavy match and 40-rod rifles an expert match shooter. Died May 7, 1897.

PERRY & JARRELL—Seborn Perry and Manlief Jarrell. W. Green St., High Point, N. C. Operators of a gun stock factory under the supervision of the Confederate Government.

PERRY PATENT ARMS CO.—Operated at Newark, N. J., by A. D. Perry, as above. The firm made Perry percussion, breech-loading, automatic capping pistols, which were offered to the government,

but were rejected. The Company became involved in financial difficulties about 1855, and failed.

PERSONS, H.—Plattsburg, N. Y. Reported maker of superposed rifle-shotgun.

PETERMAN, A.—131 Walnut St., Philadelphia, Pa., 1852-60. Breech and muzzle-loading arms.

PETERS, Sell—Two miles north of Getaway, Lawrence Co., Ohio. Learned the trade at Harpers Ferry Armory before Civil War. In his 90's at time of death.

PETERSON, A. W. & SON—Axel W. Peterson, Larimer Street, Denver, gun maker, former partner of George Schoyen. Of Scandinavian origin, Peterson came to U. S. as a boy. He came to Denver after working briefly in Chicago, in 1879 and became associated with George Schoyen in 1904. Continued the business of making fine arms and accurate barrels after Schoyen's death in 1916, being joined by his son Roy Peterson who now operates the shop.

PETTENGILL, C. S.—Patentee with Raymond & Robitaille, in 1856 of hammerless percussion revolvers made in belt, navy and army sizes by Rogers & Spencer.

PETTIBONE, Daniel—U. S. Inspector of Arms 1808-1809. Inspected sabers of contract of Dec. 9, 1807 for 2,000 horsemen's swords, awarded to Rose & Sons, Blockley Township, Phila., Pa., by Tench Coxe, Purveyor of Public Supplies.

PETTIT, A.—Pennsylvania? Kentucky rifles. A highly decorated half stock percussion rifle. Same as Pettit, Andrew?

PETTIT, Andrew—Salem, Columbiana Co., Ohio, 1835.

P. F.—Unidentified. Marking on Kentucky rifle.

PFEIFER, Charles—Lancaster, Pa., 1857.

PFEIFFER, George—160 Main St., Cincinnati, Ohio, 1859-60.

PFLOEGER, John and Wm. A.—See John Fleeger.

P. G.—Unidentified; Kentucky rifles.

P. G. F.—Unidentified. Silver inlaid, cheekpiece, curly maple full-stock, octagonal barrel, percussion Kentucky rifle.

PHEATT, G. K.—Toledo, Ohio, 1882-83.

PHELPS, Jedediah—Lebanon, Conn. Gun-lock maker to Committee of Safety. Thirty-six double-bridled gun-locks delivered to Hezekiah Huntington, musket maker to the Committee, Jan. 14, 1777.

PHELPS, Silas—Lebanon, Conn., 1770-77. Gun-lock maker to Committee of Safety. Petitioned for payment for fifty-five gun-locks made for the army, on which he could not collect premium on account of design. Three shillings allowed for each lock in November, 1776. Additional payment for gun-locks made in August, 1777.

PHILADELPHIA ARMS CO.—Incorporated in 1903 with capital stock of \$200,000 to manufacture firearms. Principal office was in the Guaranty and Trust Building, 419 Market St., Camden, N. J. Incorporators were Alfred P. Shannon, C. William Haywood, Isaac Elwall, Ansley H. Fox and Henry J. Kingsbury.

PHILIPPI, Samuel and Solon C.—Easton, Pa. Samuel Philippi, born 1801, died 1877. Succeeded by son Solon C., born in 1841, apprenticed in 1855.

- PHILLIPS**—Prosperity Co., Pa. Late percussion period. Made a few very good rifles as a hobby.
- PHILLIPS, A.**—Geneva, N. Y. Maker of slim, full stock, mule-ear rifles.
- PHILLIPS, E.**—New York, N. Y. Maker of a percussion sharp-shooter's rifle with heavy barrel and telescope sight.
- PHILPY, J.**—Unlocated; buried in northern Ohio. Oddly designed flintlock Kentucky rifle with incised carving.
- PHIPS, James**—Kennebec River, Mass., before and after 1643-51. (Father of Sir William Phips, Governor of Massachusetts.)
- PHOENIX ARMORY**—See W. W. Marston.
- PHOENIX CO.**—Makers of breech-loading, 12 gauge shotguns patented in 1874.
- P*I**—Part marking on locks and barrels by Desverneys, Charleston, S. C.
- PIATT**—Portsmouth, Lawrence Co., Ohio.
- PICKELL, Henry**—Also Pickel, York, Pa., musket maker. In association with Jacob Doll and Conrad Welshanze, contractor on April 17, 1801, with the Commonwealth of Pennsylvania for 1,000 Charleville pattern muskets. Contracted with Tench Coxe, Purveyor of Public Supplies on Dec. 9, 1807, for 100 rifles.
- PICKETT**—Tennessee. Percussion Kentucky rifles.
- PICKETT, R. M.**—Ionia, Mich. Over-under and three barrel rifles.
- PICKLE, Henry**—Lancaster, Pa., 1800.
- PIEPER, Abraham**—Lancaster, Pa., gun maker. Petitioner to the 7th Congress on June 28, 1803, for the non-removal of import duties on arms.
- PIEPER, H.**—Maker of Flobert type cartridge rifle and Pieper target rifles.
- PIERCE, H.**—Liverpool, Ohio. Maker of a double barrel, side-by-side, muzzle-loading, percussion rifle.
- PIERCE, J. J.**—Liverpool, Ohio. Flintlock rifles.
- PIKE, Samuel**—Troy, N. Y., in 1834; Kentucky rifles.
- PIM**—Boston, Mass., 1722. Reputed to have made an 11-shot flintlock repeater.
- PIPER, C. Y.**—Natchez, Miss. Unique brass-halfstock percussion rifle, with patent breech and breechplate hook. Six gold bands at breech one at muzzle, one in muzzle. Cast brass skeleton half-stock with engraved silver inlays in the brass. Burl walnut insert with silver patchbox and cheekpiece inlay engraved with 13 stars, eagle, "E PLURIBUS UNUM," flowers and scroll wire inlay.
- PIPER, S.**—Oswego, N. Y. Percussion period.
- PIPINO, Jacob**—18 Ensor St., Baltimore, Md., 1853.
- PIPPERT, Carl**—Bladensburg, Md. Fine, modern, flintlock Kentucky rifles and restorations of old. Made his first gun in 1940.
- PISTOR, G. & W.**—Unlocated. Twenty gauge percussion double-barrel shotgun.
- PITCHER AUTOMATIC REPEATING FIREARMS CO.**—Neilsville Wis. Formed in 1889, to make gas-operated, semi-automatic rifles invented by Henry A. Pitcher, dentist of Neilsville. At least two

or three specimens are believed to have been made and one was tested by the Army in 1891. It is believed to be the first semi-automatic rifle tested by the Army.

PITTINGER, J. S.—Unlocated. Half stock percussion target rifle.

PITTSBURGH FIRE ARMS CO.—Pittsburgh, Pa., period of 1860. Barrel stamping on walnut halfstocked, brass-mounted smooth rifle with Leman lock.

P. K.—Unidentified, Pennsylvania. Kentucky rifles.

PLANTS, Christian—East Finley Township, Washington Co., Pa. Post Civil War. A very ornate gun dated "1873" on the barrel.

PLANT'S & HOTCHKISS—New Haven, Conn. See Plant's Mfg. Co.

PLANT'S MFG. CO.—New Haven, Conn., about 1863. Makers of revolvers under Willard C. Ellis and N. White's patents of July 12, 1859, No. 24,476 and July 21, 1863, No. 39,318, assigned to Ebenezer H. Plant, Henry Reynolds, Amzi H. Plant and Alfred Hotchkiss. The Plant revolver was sold by Merwin & Bray, agents and distributors to supercede the Prescott, which was an infringement on the Rollin White patent of a "cylinder bored end to end," controlled by Smith & Wesson.

PLATE, A. J.—San Francisco, Calif., 1849-1875. Dealer and importer; marked rifles made by Slotter & Co., Philadelphia. Agent for Henry Deringer; induced Deringer employees to quit and make thousands of imitation Deringer pistols marked "J. DERINGER." Listed at 103 Commercial St., 1859-60, at 507 Commercial in 1861 and at 411 Sansome in 1864-65.

PLATH, C.—New York, N. Y. Maker of a plain, serviceable, half stock percussion rifle with brass furniture.

PLEASANTS'—Philadelphia, Pa. Single-barrel, percussion goose gun.

P. L. H.—Unidentified; Kentucky rifles. Possibly P. L. Hain of Pa.

PLUSHEL, F.—Cedar Falls, Iowa, 1868.

POEL, Van der—Albany, N. Y., 1740.

POINT OF FORK (VA.) STATE ARSENAL—Point of Fork, Va., at the confluence of the Rivanna and James Rivers, on the land of David Ross. Virginia State Arsenal in which equipment and clothing were manufactured, arms repaired and restocked, bayonets forged and filed, ramrods fitted and locks made. It is not known when the arsenal was established, but probabilities are that it was set up in January, 1781, for the storage of supplies partially evacuated from Richmond, Va., when Benedict Arnold attacked it Jan. 5-6th, 1781, in the course of which 2,200 small arms, and two large casks containing 2,000 new French musket locks (used for repair and replacement) were destroyed by Arnold. At the same time another raiding column of Lt. Col. Simcoe's dragoons destroyed at Westham 1,800 cartridge boxes and bayonets, 330 barrels of powder, 19 chests of musquet cartridges, 3 chests of flints, a foundry for casting iron cannon, a magazine, etc., etc.

The arsenal was raided by Col. Simcoe about June 5, 1781, buildings were burned and some supplies and arms destroyed; however a portion of the latter had been evacuated and saved on warning of the approach of the British. The arsenal was re-occupied by State troops after the raid, but the machinery and equipment for repair of arms had not been replaced by Sept. 24, 1782, (report of Capt. John Peyton, in charge), though a limited amount of clothing and shoes had been produced that year. A shortage of thread, tools and materials is mentioned in May of that year.

In 1784, the machinery, equipment, tools and supplies of the discontinued Public Gun Factory at Fredericksburg, Va., were moved to Point of Fork Arsenal, and three new, large, stone buildings were ordered erected for the storage of powder, small arms and artillery. Gunsmiths were hired, and the arsenal resumed its functions of repair of arms. It was intended for the state to accumulate and recondition a reserve of 10,000 serviceable arms, which was accomplished by October, 1791, including about 3,000 French arms purchased by the State of Virginia in 1786.

From 1802, with the establishment of a state manufacturing armory at Richmond, the business of the arsenal fell off, and it was absorbed in the Virginia Manufactory, the new State Armory, about 1802.

POLE & CUTTER—Silver mounted percussion rifle.

POLLARD, John—Pennsylvania musket maker to Committee of Safety in 1776. John Pollard was one of the petitioners, representing the gun makers, complaining to the Committee of Safety of Philadelphia, in November, 1776, against the high cost of labor and materials entering into gun-making, and quoting advances in prices within one year, since 1775.

POLLARD, Robert—Arms contractor to the State of Virginia, 1799-1800.

POLLOCK, B.(?)—Unlocated, probably southwestern Pa., period of 1800-1820. Flintlock Kentucky rifles marked in script. Perhaps related to S. Pollock, New Castle, Pa., 1841.

POMEROY—Canton, Stark Co., Ohio.

POMEROY, Elty—Also Pumery, Eltwed, Eltwud, or Eltwood. Arrived at Boston, Mass., from England in 1630. In Dorchester, 1633-37, and later at Hartford and Windsor, Conn. Living with his son Medad, in Northampton, Mass., 1670-71.

POMEROY, Eldad—Son of Elty Pomeroy. Active from 1630 at Boston, Northampton and Hampshire until his death May 22, 1662.

POMEROY, Medad—Son of Elty Pomeroy. Northampton, Mass. Born about 1637; died Dec. 30, 1716.

POMEROY, Ebenezer—Son of Medad Pomeroy. Northampton, Mass. Born May 30, 1669; died Jan. 27, 1754.

POMEROY, Seth—General. Son of Ebenezer Pomeroy, Born May 20, 1706; died in the military service, at Peekskill, N. Y., Feb. 19, 1777.

POMEROY, Lemuel—Pittsfield, Mass., musket maker. Contracted with United States May 17, 1823, for 10,000 muskets Model 1816 to be delivered over a period of five years, 2,000 per annum. Contract of Jan. 26, 1829, details unknown. On Feb. 26, 1840, Lemuel Pomeroy contracted for 6,000 flintlock muskets, Model 1835, at \$12.75 per stand, duration five years, at 1,200 per annum. On March 18, 1842, he obtained an additional contract for 1,000 of the same arms at \$14.50 each, duration to Jan. 1, 1845.

Lemuel Pomeroy, grandson of Gen. Seth Pomeroy of French, Indian and Revolutionary Wars, was born in Northampton, Hampshire Co., Mass., in 1778. In 1799 he moved to Pittsfield, Mass., and started the manufacture of plows, sleighs and wagons. The plant burned down in 1805, and was rebuilt, apparently with some provision for arms manufacture, for though not listed

among the eighteen government contractors of 1808, he reputedly started musket manufacture that year, making arms for the states' militia and the Federal Government. The Pomeroy (private) Armory became one of the six accorded national recognition and subsidies, at one time employing thirty expert gunsmiths.

Pomeroy continued musket manufacture until about 1846, when the portion of his plant containing arms manufacturing facilities burned down and was not rebuilt, for the output of Government Armories at Springfield and Harpers Ferry became adequate to supply the military establishment, and the award of musket contracts to private manufacturers was curtailed. Lemuel Pomeroy died at Pittsfield August 25, 1849, after a protracted illness.

The following advertisement in PITTSFIELD SUN, Pittsfield, Mass., of Jan. 27, 1809, is of interest:—

Lemuel Pomeroy wishes to purchase a quantity of good hard and chestnut coal, 2 or 3 tons of good horse hay and 3 or 4 well fattened hogs; for which good pay will be made. He has now on hand and is constantly making a large quantity of military muskets of the English and French initiation. Likewise some first rate fowling pieces . . . articles which may soon be substituted for our blessed embargo. He also has all kinds of Blacksmith and Harness work executed at his shop by the best of workmen.

The patronage of his friends is once more solicited."

POND & CO.—Albany, N. Y. Flintlock pistols.

POND, L. W.—Lucius W. Pond, Worcester, Mass., before 1863 to about 1870. Maker of a top-break cartridge revolver, infringement on the Smith & Wesson patents. There were 4,486 Pond revolvers turned over to the S. & W. Co. in settlement, in March, 1863. To avoid infringement, from 1863 manufactured a front-loading revolver with removable steel shells.

POOL, Lemon—Springfield, Ohio, 1874-76.

POOLEY, James—Memphis, Tenn., 1860.

POPE, Harry M.—Hartford, Conn., active to 1901.

PORTER & PRICHITT—Phila., Pa. Makers of a full stocked, brass mounted, side-hammer percussion pistol.

PORTER, P. W.—Patrick W. Porter of Memphis, Tenn., and later New York, N. Y. Manufacturer of percussion revolvers and inventor and maker of 9-shot, pill-lock, turret type, revolving-breech rifles, patented July 8, 1851, No. 8,210. Mr. Porter was killed while demonstrating one of his rifles to Col. Colt.

PORTS, J. A.—Or J. E., Sunbury, Ohio, 1877-82.

POST, J.—Newark, N. J. Maker of a hammerless, ring-trigger, percussion pepperbox pistol patented May 15, 1849, patent No. 6453.

POST Samuel B.—Washington Co., Pa. Learned the trade under George W. Craft, on Craft Creek, Morris Township, about 1880; in business at England (now Pleasant Grove) Pa. Made about 100 guns before 1900, largely half stock, with locks and barrels mostly purchased in Pittsburgh. Did his own rifling and marked barrels "S. POST," in script. Died in 1947.

POSTLEY, NELSON & CO.—Unlocated (Pittsburgh, Pa.?) before about 1880; barrelmakers. Brown & Hirth of Pittsburgh advertised in 1886 that "the hands we employ have been making Rifle Barrels for over thirty years, with the late firm of Messrs. Post-

ley, Nelson & Co., who carried on the Gun Barrel business for a period of twenty-five years." Barrel of a rifle by J. V. Hoffman, Attica, Ind.

POTTER, Daniel—Hartford, Conn., 1867. Percussion rifles, full-length telescope sights.

POTTER, H. & CO.—New York State. Percussion rifles.

POTTER, N.—Unlocated. Percussion sporting rifle.

POTTS, William—Columbus, Ohio, 1883-84.

POULTNEY & TRIMBLE—200 West Balto St., Baltimore, Md., 1860 and later. Makers of Smith carbines, patented by Gilbert Smith June 23, 1857. There were 300 Smith carbines bought by the War Department in 1860, and 30,062 during the Civil War. The carbines were also manufactured for Poultney & Trimble by the American Machine Works at Springfield, Mass.; the American Arms Company of Chicopee Falls, Mass., and Massachusetts Arms Company of the same city. It is uncertain whether any Smith carbines were actually manufactured by Poultney & Trimble in Baltimore.

POUNDS, I. D.—Columbus, Ohio, 1834-55. Rifle, pistol and shotgun maker.

POWELL & BROWN—See Powell Palemon.

POWELL & CLEMENT—Cincinnati, Ohio, before and after 1890-92.

POWELL, Jacob—Logan Co, "The Indian Country" (now Richland Co.) Ashland Co., and Bowling Green, 1825. Made and repaired rifles for Indians 1808.

POWELL, Palemon—Cincinnati, Ohio, active about 1839-73. Associated with Brown, 1856-58. Firm changed to Powell & Son in 1871 to 1873 and later.

POWELL & SON—See Powell, Palemon.

POYAS, F. D.—Charleston, S. C. Percussion duelling pistols.

P. R.—Unidentified. Maker of flintlock Kentucky rifles. Lock by R. & W. C. Biddle.

PRAHL, Lewis—Philadelphia, Pa., musket maker to Committee of Safety. Contracted Oct. 23, 1775, for 150 stands. Made the pattern musket for the Sebastian Keeley contract for 100 fire-locks.

PRAILISH, Charles—Lancaster, Pa., 1857.

PRATT—New Harmony, Ind. Percussion rifle.

PRATT, Alvan—Concord, Mass., gun maker, was born at Sherborn, Mass., Nov. 23, 1790, and served his apprenticeship at the Whittemore gun factory in Sutton, Mass. After serving full time as apprentice and some months as journeyman, went into business with his brother Nathaniel, also a gunsmith, in Watertown; however, they failed and Alvan returned to Sutton. His establishment prospered for a while, then was burned out, after which he returned to Concord, his birthplace, where he remained until his death Jan. 20, 1877.

Pratt was well known for the accuracy of his rifles and excellent quality of his products. However, being over-conservative, if not actually old fashioned, he was opposed to improvements and new machinery, and gradually his custom fell off and the last ten years of his life were spent in repair work.

A musket lock-plate marked "A. PRATT" is described by Mr. Walter White, which though converted to percussion shows

the characteristics of a Model 1795 musket. Certainly the arm is of not later than 1808 vintage. In view of Alvan Pratt's birth in 1790, it is not likely that he is the maker. An Asa Pratts blacksmith, was located in Essex County, Mass., in 1756-1811. There is no record known to date of Pratt contract.

PRATT, AZARIAH—Settled at Marietta, Ohio, in 1788. Silversmith, locksmith and gunsmith; made the lock for the first jail in the Northwest Territory.

PRATT, G. D.—Attica, N. Y. Cased percussion target rifles.

PRATT, Henry—Roxbury, Mass. Born 1790; died 1880. New England type flintlock Kentucky rifle.

PRESCOTT, E. A.—Worcester, Mass., 1860-74. Ex-employee of Ethan Allen. Maker of a rim-fire cartridge revolver distributed by Merwin & Bray. The arm was an infringement on the Rollin White patent controlled by Smith & Wesson, and production was discontinued in 1863.

PRESCOTT, Benjamin—Superintendent Springfield Armory from November 1, 1805 to August 31, 1813, and from January 16, 1815 to May 31, 1815.

PRETCHER, J. A.—Cleveland, Ohio.

PRETZSCH, Charles—Unlocated. Percussion sporting rifle.

PRICE, Cal—Orange, Texas. Modern. Percussion, small-bore hunting rifles.

PRICE, J.—New York, N. Y. Maker of a late Colonial period, brass mounted, sling swivel equipped, sporting flintlock musket of large caliber, with engraved lock, goose-neck hammer, and frizzen separated from the pan. Marked on barrel "J. PRICE N. YORK," in rounded, engraved type lettering. Inside of trigger guard marked "ANNELY." Probably Edward Annely, New Jersey gun maker active 1771 and before.

PRICHITT—See Porter & Prichitt.

PRIEST, Josiah—Marietta, Ohio, 1840.

PRINDLE, A.—Unlocated. Script marking on halfstock percussion rifle.

PRINGLE, John—Pennsylvania gun-lock maker to Committee of Safety, 1775-76.

PRISSEY, Elias—Hooversville, Pa., active about 1855 and after.

PROTECTOR ARMS CO.—Philadelphia, Pa. Makers of .22 caliber 7-shot rim-fire cartridge revolvers.

PROVIDENCE TOOL CO.—Providence, R. I. Civil War contractors for Model 1861 Springfield rifle muskets:

July 13, 1861—25,000 at \$20.00 each. 25,000 delivered.

Nov. 26, 1861—25,000 at \$20.00 each. 13,000 delivered.

May 1, 1864—32,000 at \$18.00 each. 32,000 delivered.

The firm also made Robert's breech-loading military rifles and Peabody breech-loading cartridge carbines, rifles and sporting arms patented July 22, 1862, No. 35,947. The Peabody arms were tested by an Ordnance Board in January, 1865, and though favorably reported on, were not adopted due to termination of hostilities during the session of the Board. Peabody arms were however, adopted and purchased by the State of Connecticut. Providence Tool Company also was active in the alteration of muzzle-loading arms to the Peabody system, and also made the Peabody-Martini carbines and rifles for foreign governments.

P. S. J. & CO.—(P. S. Justice?) Percussion Kentucky type pistol.

PUBLIC GUN FACTORY—Also Public Arms Factory and Fredericksburg Armory. Established by Col. Fielding Lewis and Charles Dick at Fredericksburg, Va., to make arms for the Continental Line Regiments. See Virginia Public Gun Factory. rifle.

PULASKI GUN FACTORY—Pulaski, Tenn. Confederate arms plant authorized by Act of General Assembly of Tennessee, June 28, 1861. Operated by Major Joseph Stacy and James McCullum, Esq. The plant repaired, overhauled and rebored arms for use of Confederate forces, with N. B. Zuccarello and James McLean as chief mechanics.

The plant, erected on a site leased from Thomas Davis, had been the property of Mr. Zuccarello, who owned the building, iron works and foundry, prior to their conversion to war uses. The factory was destroyed by Federal troops shortly after operations had begun. The total output is believed to have been under 500 rifles.

PULING, J.—Unlocated. Kentucky rifles. See J. P.

PULLIAM, T.—Crudely done overstamp on a repaired, percussion, G. Goulcher lock of a brass and silver mounted, maple half stock, heavy, half-octagon, .45 caliber, smoothbore barrel, long gun.

PURDY, C. K.—Unlocated. Percussion target rifle.

PURMONT, T. B.—Heuvelton, N. Y., percussion period; riflesmith.

PUTNAM, Enoch—Granby, Mass., gunsmith to Committee of Safety. Recommended for appointment as Armorer to the Colony, July 13, 1775.

P. Y.—Maker of a full curly maple stock, brass mounted, double set trigger, Kentucky type percussion rifle.

Q

QUAKENBUSH, H. M.—Ilion and Herkimer, N. Y., 1871-76 and after. Maker of air rifles and .22 caliber rim-fire cartridge rifles.

QUINBY, Dennis—Northfield, Vt., 1864-68.

QUINNEBAUG RIFLE MFG. CO.—Southbridge, Mass. Makers of under-hammer, percussion pistols.

R

RADCLIFFE & GLAZE—Columbia, S. C., after 1865 and before 1870. T. W. Radcliffe and William Glaze (q.v.). Sporting goods; name stamped on percussion double-barreled shotguns made elsewhere.

RADCLIFFE & GUIGNARD—Columbia, S. C. Marking on long percussion fowling piece, probably imported. See T. W. Radcliffe.

RADCLIFFE, T. W.—Columbia, S. C., 1856-64. Importer of shoulder arms and hand arms for the Confederacy. English Tranter revolvers known marked with Radcliffe's name. Reputed to have made shoulder arms: doubtful.

RADFONG, Frederick—Conestoga Township, Lancaster Co., Pa., 1770-72.

RADFONG, George—See Redfang, George.

- RAFFSNYDER, John**—Or Reiffsnnyder. Reading, Berks Co., Pa., 1779-85.
- RAIKE, Levi**—Lincoln Co., Ky. Reported percussion half stock rifle.
- RALPH, N. H.**—Unlocated. Percussion rifle that came from West Virginia.
- RAMAGE & CARRIER**—Trinidad, Col., 1877-81.
- RAMSDELL, Charles V.**—In partnership with John Neal as Ramsdell & Neal, Harlow St., Bangor, Me., post-Civil War. The partnership dissolved, Ramsdell opened a shop on State St.; later sold to James Holt and committed suicide. Fine heavy percussion target rifles; Snider-action breechloaders. Heavy telescope-sight match rifle, lock marked "C. V. & J. W. RAMSDELL, BANGOR, ME."
- RAMSDELL, V. G.**—Buckport, Me.
- RANDALL, Joseph C.**—Unlocated. Marking on the lock of a percussion Kentucky rifle.
- RANDALL, Myron**—Waupaca, Wis. Made .44 caliber muzzle-loading percussion rifles as late as 1935. Also invented and made spring-operated air guns. Born 1878, died 1944.
- RANKIN**—See Clark & Rankin.
- RANKIN, John**—York Co., Pa. Kentucky rifles.
- RANKIN & WERTER**—Unlocated. (Probably Pennsylvania). Barrel-maker's stamp under breech of late Kentucky percussion rifle from Maryland.
- RANSOME, James**—Or Ransom. Superintendent of the State Gun Factory at Halifax, N. C., 1776-78. See North Carolina Gun Factory.
- RAPPAHANNOCK FORGE**—Falmouth, Va., on the north side of Rappahannock River. Rappahannock Forge was the alternate name of the Hunter Iron Works established by James Hunter at Falmouth, Va., some time before the Revolution. At the outbreak of the war, the works were considerably enlarged; a manufactory of small arms was added, slitting mills were constructed, and anchors and war material manufactured.
- The factory was dismantled on May 30, 1781, due to the approach of a British raiding party under Tarleton, who was operating from Cornwall's force, which had arrived at Petersburg, about seven miles south of Richmond on May 20, 1781. The removal of the equipment and machinery was supervised by General Weedon, a laid-off Continental officer. Later the workmen were recalled and the works enlarged, but failing to receive financial support from the State of Virginia, James Hunter dismissed the remaining workmen and closed the factory Dec. 1, 1781. Doubtless the threat of a possible raid and destruction of the works by a raiding party from the British fleet was a contributing factor in permitting the closing of Rappahannock Forge. See Hunter, James.
- RASH, B.**—Unlocated. Percussion rifle with lock by G. Goulcher.
- RAUB, William**—New York, N. Y., at 3rd Ave., and 67th St., and later 629 Union Ave., Bronx. Born in Germany in 1810. Emigrated to U. S. in boyhood. Claimed to have made guns for Buffalo Bill Shows; repaired arms for Union forces stationed around New York City during Civil War. Died Jan. 9, 1921.
- RAUBER, Feder**—Berks County, Pa., 1730.

- RAURMAN, G.**—Unlocated. Percussion rifles.
- RAYMOND, William**—Winona, Minn., 1864-65.
- RAYNES**—New York, N. Y. Percussion target rifle.
- R.B.**—Lock marking of a maple half stock, octagon barrel, late percussion Kentucky rifle with two patch boxes and set triggers.
- R.C.**—Initials of R. Chandler, U. S. Inspector of Arms within years 1831-1850.
- READ, N. T.**—Danville, Va. Inventor of the Read breech-loading carbine, Confederate patent No. 154 of March 20, 1863. The arm is believed to have been made by Keen Walker & Co., of Danville, with Read in charge of operations.
- READ, Robert**—Chesterton, Md., arms maker to Committee of Safety, 1775.
- READ, William**—11 Water St., Baltimore, Md., 1802-04.
- READ, William**—Boston, Mass. Apparently dealer and importer. Sold a quantity of .44 Allen & Wheelock revolvers to the Government during the Civil War.
- READING**—Pennsylvania, period of 1780. Flintlock Kentucky rifles, also an original "smooth bore rifle."
- READING'S FACTORY**—Vicksburg, Miss. Said to have made firearms for the Confederacy. Machinery shipped to Atlanta, Ga. in 1862. On Sept. 11, 1862 Col. James H. Burton with Capt. M. M. Wright and Maj. Cuyler made a selection of machinery from it.
- READY, L.**—Unlocated. Flintlock Kentucky rifles of about 1780-1800 period.
- REASON, Jacob**—(Also Reagon?) Frederickstown, Md., Revolutionary War rifle and musket maker to Councils of Safety in both Virginia and Maryland. Financed by Josiah Chapman who rented his shop, and hired him and his men on a wage basis. Procured many of his parts, if not most, by purchase all over Maryland area, to be used in assembly of arms.
- REASOR, David**—Lancaster, Pa., 1749.
- REASOR, David**—Lancaster, Pa., 1770-80. (Same as above?)
- RECTOR, C. A. & J. H.**—Syracuse, N. Y. J. H. Rector (also Rocketeer), Syracuse, 1845-55. Halfstock percussion Plains rifles.
- RECTOR, J. H. & J. O. ROBSON**—109 Main St., Buffalo, N. Y., 1850-53. Percussion sporting rifles, marked "J. H. Rector and J. O. Robson, Buffalo."
- RECTOR, J. H. & L. W. ROBINSON**—Syracuse, N. Y. Percussion sporting rifles.
- REDFANG, George**—Also Redfan, Radfong, Raddfong, or Rathfong. Pennsylvania arms maker. Excused by the Executive Council, Dec. 5, 1777, from military duties for the making of arms for the State of Pennsylvania, in the employ, and under supervision of William Henry I of Lancaster.
- REDFORD, Arter**—Near Jefferson City, Mo. Percussion Kentucky rifles.
- REED**—Seville, Ohio, about 1850. Patent breech half-stock percussion rifle.
- REED, E. M.**—Unlocated. Percussion pistol.
- REED, John**—Troy, N. Y., in 1836; Kentucky rifles.

- REED, Joseph**—Lancaster, Pa. About 1800 and after.
- REED, J. P.**—Unlocated. Marking on light, walnut halfstock, Penna. squirrel rifle.
- REED, Robert**—Chestertown, Md., Revolutionary War musket contractor.
- REED, William**—11 Water St., Baltimore, Md., 1802.
- REEDY, L.**—"KRATZTOWN" (Pa.?) Marking on barrels of a curved stock, swivel-breech, superposed Penna. rifle, circa 1820.
- REID, James**—New York, N. Y. At 167 E. 26th St., in 1862 and at 171 E. 26th St., in 1863-64. Maker of Reid cartridge revolvers. These were infringements on the Smith & Wesson controlled patents, and in 1865, Reid started the manufacture of "My Friend" knuckle-duster revolvers, believed to have been made by Reid at Catskill, N. Y.
- REID, Samuel**—Phila., Pa. Listed as gun stocker at 91 Dillwyn in 1829.
- REID, William**—Spartanburg Co., S. C. Early gunsmith.
- REID, Templeton**—Milledgeville, Ga., 1824.
- REIGART, Peter**—Lancaster, Pa., musket maker to Committee of Safety. "Agreed to set to work Monday, Nov. 20, 1775, to make muskets and bayonets."
- REIN**—New York, N. Y., on the Bowery. Fancy Schuetzen rifle. Died 1914.
- REINHARD, J. C.**—Also Reihart. Ohio.
- REINHARD, P. A.**—Also Reinhart. Rifle maker known for fine workmanship and accuracy of his arms. Arrived from Germany at the age of six, and lived with his parents at Columbus, Ohio, until 22 years old, when he was apprenticed to one Sprague, a gunsmith of Loudonville, Ohio. In about 1850, Reinhard worked under Billinghurst at Rochester, N. Y., thence went back to Loudonville, on his own. Reinhard died about 1899, at Dayton, Ohio, where he had moved in 1896. Rifles usually marked with name, address and masonic emblems.
- REINHART, J.**—Maddensville, Pa.
- REINHART, P. A.**—See Reinhard, P. A.
- REISS, A.**—Utica, N. Y., percussion telescope rifle.
- REMINGTON ARMS CO., INC.**—Established by Eliphalet Remington and his son, Eliphalet, Jr., makers of rifle barrels, in Ilion Gorge, N. Y., in 1816, when young Remington turned to the manufacture of complete firearms. In 1825, the plant was moved to Ilion, to take advantage of the transportation facilities afforded by the Erie Canal. Eliphalet, Sr. died three years later, in 1828. In 1844, Eliphalet (Jr.) took his son Philo into the firm, the name being changed to E. Remington & Son. In 1845, Remington took over a contract of John Griffiths of Cincinnati, Ohio, of Dec. 6, 1842, for 5,000 Model 1841 rifles at \$13.00 each, on which Griffiths had been unable to make deliveries. The Remingtons made good on the contract, and it was followed by another for an additional 7,500. In the meantime, in 1846-47, the Remingtons took over an uncompleted N. P. Ames contract for side-hammer, percussion navy carbines made on the Jenks patent breech-loading system. These arms were made at the Remington's Herkimer plant, and differ from the N. P. Ames arms in having tape-primer locks. Sept. 9, 1854,

Remingtons obtained a contract for 20,000 Maynard tape-primer locks for the modification of muskets for the army, largely Model 1821 arms, the work being done at the Bridesburg Armory. In 1856, two other sons, Samuel and Eliphalet (3rd) were taken into partnership, the name changing to E. Remington & Sons.

About 1859, Remingtons brought out their first martial percussion revolvers made on Beal's patent of Sept. 14, 1858. This was followed by the Remington Model 1861, and in turn by the famous New Model.

During the Civil War, the Remingtons furnished the government with 10,000 modified Model 1841, saber-bayonet rifles on contract of Aug. 11, 1862, at \$17.00 each, and an additional lot of 2,500 at the same price, was contracted for Dec. 13, 1863. On Dec. 14, 1863, Remingtons contracted to furnish 40,000 Springfield rifle muskets Model 1863, at \$18.00, the deliveries on which began May 31, 1864, and were completed March 24, 1866.

An earlier rifle contract for 10,000 arms of July 30, 1861, has been mentioned, in connection with Remington Civil War contracts; it is believed however, that if such was the case, that it was cancelled or made a part of a later contract, as no deliveries have been recorded.

Remingtons also furnished 2,814 Beals revolvers and 125,314 Remington percussion revolvers.

In 1865, the Company was incorporated and secured the services of Joseph Rider, the famous arms inventor, and enjoyed a period of prosperity until 1886, when it failed and was reorganized as the Remington Arms Company. The control of the business passed from the Remington family to Hartley & Graham of New York. The Company was merged in 1902 with the Union Metallic Cartridge Company and became known as Remington-UMC. Later the name was changed again to Remington Arms Company, Inc. Between the Civil and World Wars the Company produced a wide variety of military arms for our own and many other governments as well as sporting arms of all types. Its efforts in the service of the United States reached a climax with the production of 545,541 rifles, Model 1917, (Enfield) between Aug. 1, 1917, and Nov. 9, 1918.

REMINGTON ARMS CO. OF DELAWARE—Eddystone, Pa. World War arms manufacturers, later a part of the Midvale Steel & Ordnance Company. Produced 1,181,908 Model 1917 rifles (Enfield) for the U. S. government from Aug. 1, 1917, to Nov. 9, 1918.

REMINGTON, Samuel—Ilion, N. Y. Second son of Eliphalet Remington II, born April 12, 1819. In the 1850's he set up a manufacturing plant within his father's factory buildings, making Merrill Spigot rifles, barrels and brooms. Admitted to partnership in 1856, and became president of E. Remington Sons Co., after his father's death in 1861. Died Dec. 1, 1882. A back-action percussion lock on a heavy whale gun, marked "S. REMINGTON-ILION, N. Y."

REMLEY, John H.—Lancaster, Pa., 1857.

REMMERER, David—Unlocated.

RENDYLES, Bernard—Steubenville, Ohio, 1852-54. Gun barrel maker.

RENKER, Rudolph—Lancaster, Pa., 1857.

RENKIN—Iron mounted, over-under, rifle-shotgun with right and left.

- RENWICK, Edward S.**—New York, N. Y. Maker of "Double Header" 2-shot cartridge pistols.
- RESOR, J.**—Unlocated. An early flintlock Kentucky rifle.
- RESSER, Peter**—Lancaster Borough, Lancaster Co., Pa., 1779-1802
- REUTHE, F.**—Unlocated. Trap pistol patented May 12, 1857.
- REVOL, J. B.**—New Orleans, La., gunsmith listed in the City Directory from 1842 through 1885. Located at 346 Royal in 1853. Stock bought out by P. Bouron when business was discontinued.
- REXER**—Canton, Stark Co., Ohio. Early.
- REYNALL, Richard**—56 Water St., Baltimore, Md., 1802.
- REYNOLDS**—Lancaster, Pa., about 1800. Flintlock Kentucky rifle.
- REYNOLDS, F.**—New York, N. Y., 1866. 8 ga. Percussion shotgun.
- REYNOLDS, Francis**—Troy, N. Y., in 1835. Kentucky rifles.
- REYNOLDS, J. A.**—Unlocated. Gun barrel maker.
- REYNOLDS, PLANT & HOTCHKISS**—New Haven, Conn. See Plant's Mfg. Co.
- REYNOLDS, Thomas**—Troy, N. Y., in 1835. Kentucky rifles.
- R. F.**—Unidentified. Bedford County, Pa. Percussion Kentucky rifles.
- R. F. S.**—Unidentified. Plain percussion Kentucky rifle, brass mounted without patchbox.
- R. H.**—Unidentified. Percussion Kentucky rifle.
- R. H. P.**—Unidentified. Percussion rifle.
- RHEINHARL, P. A.**—Misreading for Reinhard, P. A.
- RHINEHART, J. C.**—Ohio, 1840-60.
- RHINEHART, Rudolph**—Bearwallow Hollow, Va., 1785. Flintlock Kentucky rifle.
- RHODES, William**—Providence, R. I. Musket maker associated with William Tyler in a U. S. contract under Act of July 5, 1798, for 2,000 Charleville pattern (Model 1795) muskets at \$13.40 per stand. Of these 950 were delivered by June 10, 1801.
- RICE, Ralsa C.**—Ohio. Born 1838; died 1911.
- RICE, Samuel F.**—See Wallis & Rice.
- RICH, Henry**—Canton, N. Y., percussion period; riflesmith.
- RICHARD**—N. Y. Three barrel percussion gun—one barrel rifled.
- RICHARDS, C. B.**—Unlocated, 1874.
- RICHARDSON, C. Y. & BRO.**—Charleston, S. C., 1867.
- RICHARDSON, Joel**—Boston, Mass., 1816-25.
- RICHARDSON, O. A.**—Lowell, Mass. Heavy, percussion telescopic Civil War sharpshooter's rifles.
- RICHARDSON & OVERMAN**—Philadelphia, Pa. Civil War makers of Gallager breech-loading percussion carbines of which 17,728 were bought between 1861-64. An additional 5,000 Gallager cartridge carbines were purchased between May 4, and June 3, 1865.
- RICHARDSON, Wm. A.**—Worcester, Mass., arms manufacturer. Born 1833. Worked for Ball & Williams and for Frank Wesson. With Gilbert H. Harrington organized the firm of Harrington & Richardson in 1874. See the latter firm.
- RICHMOND ARMORY**—Richmond, Va. See Virginia Manufactory.
- RICHMOND, S.**—Unlocated. Maker of over-under, "mule ear" lock percussion rifle.

RICHWINE, C.—Reading, Pa., gun barrel maker, late flintlock, early percussion periods. Richwine rifles are known stocked in curly maple, with locks by Joseph Golcher.

RICKARD ARMS CO.—Cheap double barrel, hammer breech-loading shotguns.

RICKS, Thomas—Boston, Mass., 1677

RICKETS, John—Mansfield, Ohio, 1859-74. Half-stock perc. target rifle.

RICKETS, T.—Mansfield, Ohio.

RIDDEL—Lancaster, Pa., 1770. Kentucky rifles.

RIDDLE—North Carolina maker of a percussion lock pistol generally patterned after U. S. 1842 Model.

RIDDLE—Low and medium quality commercial percussion locks, variously decorated and marked "Riddle" in ribbon scroll or oblong cartouche.

RIDDLE, W. G. & CO.—Philadelphia, Pa. Kentucky type, full stock, flintlock smoothbores.

RIDEOUT, J.—Unlocated. Reported full stock, sporting-military flintlock rifle.

RIDER, NATHANIEL & CO.—Southbridge, Mass., 1857. Saw-handle, under-hammer percussion pistols.

RIFE, Charles—Cadiz, Harrison Co., Ohio, 1800-12.

RIFE, Charles—Cincinnati, Ohio, 1855-56.

RIFE, Harry C.—R. F. D. No. 2, Leesburg, Ohio. Born Feb. 14, 1907, in Ross Co., O.; learned gunsmithing under Win Woods of Peebles, Ohio. Makes rifles from old parts; specializes in barrel work.

RIGDON, ANSLEY & CO.—Augusta, Georgia. Revolver manufacturers to the Confederacy. Arms patterned after the Colt Navy 1851. Charles H. Rigdon, mechanic and machinist, was a member of firm of Rigdon & Harmsted, scale manufactures of St. Louis, Mo., about 1854. In 1860, Rigdon was in Memphis, Tenn., operating a scale shop. Early in 1862, in partnership with Thomas Leech, he organized the Memphis Novelty Works, at Main & McCall Streets, for the manufacture and repair of swords. May 9, 1862, on approach of Union forces, Leech and Rigdon moved to Columbus, Miss., where some revolvers were made, thence on orders to move the plant to safer area, they went to Greensboro, Ga., about 15 Dec. 1862. March 6, 1863, the firm received a Confederate contract for revolvers, manufacture of which began in the purchased plant of the Greensboro Steam Factory, also known as Greensboro Mills. In December 1863 the partnership was dissolved and Rigdon moved to Augusta, Ga., probably taking the machinery and contract with him. In January 1864 he organized the firm of Rigdon, Ansley & Company, his partners being Jesse A. Ansley, C. R. Keen and A. J. Smythe. The company plant was on Mallory Street, where their iron frame, 12 cylinder stop Confederate Colts were made until Ansley was drafted and the mechanics conscripted into a defence battalion which participated in the fight at Griswoldville in Nov. 1864. The plant operations ceased about Jan. 1865, at which time Ansley offered his one-fourth interest for sale in a newspaper ad. See also Leech & Rigdon.

RIGGINS, THOMAS—Knoxville, Tenn., 1862-63. "Armorer to the

Confederacy." Riggins was born in McMinn County, Tenn., in 1821 and was apprenticed at the age of ten to a gunsmith relative. By 1845 his sporting rifles gained a reputation in old-time shooting matches and were said to "get the beef."

At the outbreak of Civil War he contracted to make rifles for arming the "East Tennessee Squirrel Shooters," a State volunteer cavalry unit. Volunteering in '61 for Col. Vaughn's Third Tennessee Regiment, he was detached to Knoxville to supervise the instruction and labor of sixty mechanics in conversion of percussion and flintlock sporting arms into short, percussion, large-bore cavalry carbines, until the shop was destroyed by Union forces. See A. L. Maxwell, Jr. & Co.

RIGHTER, J.—Cadiz, Harrison Co., Ohio, 1800-1812.

RIGHTER, J. G.—Cadiz, Ohio. Percussion Kentucky rifles, possibly a few flintlocks. Related to J. Righter?

RIGGS, B.—Bellows Falls, Vt., 1850.

RIGGS, Joseph, Jr.—Derby, Conn. Repaired arms for the Committee of Safety. Account submitted for repairing guns taken from "inimical persons"; June 1776.

RILEY, Edward—Cincinnati, Ohio, 1816-18.

RILEY, William L.—Watertown, Washington Co., Ohio, 1850-54.

RILING, John—Juanista Valley, Pa. Percussion period.

RILING, John—Unlocated. Maple full stock, brass trim, octagon barrel, percussion Kentucky rifle.

RINER, Michael—Lancaster, Pa.

RINGLE—Pennsylvania.

RINGLE, A.—Unlocated, possibly Pennsylvania. Kentucky rifles.

RINGLE, M.—Bellefonte, Center Co., Pa. Late percussion period. Curly maple, silver inlaid, full stock rifle with stock marked "M. RINGLE" and "BELLEFONTE," in two lines. Another curly maple full stock rifle with oval patchbox, twice marked "M. RINGLE" on top flat; back action lock marked "WHITMORE WOLFF DUFF & CO. PITTSBURGH, PA."

RIPLEY (RAIBLE)—Warren, Ohio, about 1850; 24-lb. percussion match rifle.

RIPLEY BROS.—Windsor, Vt., 1835.

RIPLEY, E. K.—1401 Alaska St., Seattle, Wash. Born in 1846; retired 1918.

RIPLEY, J. W.—Major Ordnance Superintendent Springfield Armory from April 16, 1841 to August 16, 1854.

RISHER, D'N'L—Daniel Risher, unlocated. Percussion Kentucky rifle.

RISLEY, Hiram—Saqoit, N. Y. Born 1804; died in the Seventies.

RISLEY, M. Shirley—North Brookfield, N. Y. Still active. Worked with N. H. Roberts in the development of the .257 Roberts cartridge.

RITTENHOUSE, Benjamin—Worcester Township, Montgomery Co., Pa. Active before and after 1776-78. Musket maker to Committee of Safety for 200 stands at 4 pounds, 5 shillings each. With Peter De Haven established the State Gun-lock Factory at Philadelphia in March, 1776. Later the factory was expanded to include manufacture of arms. See Pennsylvania State Gun Factory.

The proposal that Rittenhouse take charge of the "Pro-

vincial Gun-lock Factory" was made to him by the Committee of Safety on Feb. 9, 1776. On the 16th, Rittenhouse accepted the post at a salary of £250 per annum, and was directed to come to Philadelphia on Feb. 26, 1776.

RITTER, Jacob—Philadelphia, Pa., 1775-83.

RITZEL—Canton, Starke Co., Ohio, 1816-1840. (Father of P. M. Ritzel?)

RITZEL, P. M.—Starke County, Ohio, active before and after 1840-53. Rifle maker prior to 1850, after which specialized in manufacture of gun-barrels.

ROBB, John—Superintendent Springfield Armory from November 1, 1833 to April 15, 1841.

ROBBINS, C.—Tioga, Pa. Flintlock maker.

ROBBINS—Scott Co., Tenn. Kentucky rifles.

ROBBINS, C.—Pennsylvania? Percussion Kentucky rifle.

ROBBINS, KENDALL & LAWRENCE—Windsor, Vt., 1844 to about 1847. Contractors of Feb. 18, 1845, for 10,000 Model 1841 percussion rifles at \$11.90 each, duration five years, delivery to be made at Springfield, Mass. This contract was completed eighteen months ahead of time. Shortly after completion of this contract, Robbins & Lawrence bought out Kendall's interest in the firm and continued the business under the name of Robbins & Lawrence. See below. Also see Kendall, N. & Co.

ROBBINS & LAWRENCE—Windsor, Vt., about 1847-55. The firm began with the association of Richard S. Lawrence with N. Kendall at Windsor, Vt., in 1843. In 1844 they were joined by S. E. Robbins, and secured a government contract for 10,000 Model 1841 rifles. (See Robbins, Kendall & Lawrence, above.) About 1847, Robbins and Lawrence bought out Kendall's interest, the firm continuing as Robbins & Lawrence. January 5, 1848, they contracted for 15,000 Model 1841 percussion rifles at \$12.87½ each, delivery at Springfield, Mass. It is reported that though some of the output of arms made for the government were rejected, the firm prospered because of the demand for arms created by the California gold rush. About 1850 the firm undertook the manufacture of 5,000 Jennings rifles incorporating the Horace Smith improvements of Patent No. 8,317, of Aug. 26, 1851. At about this time they were also making 5-shot percussion pepperbox pistols, and undertook the construction of railroad cars, but failure to obtain expected contract resulted in a heavy loss.

In 1851, the firm exhibited their arms in London, which resulted in a contract for Enfield rifles. Encouraged, they contracted to make 5,000 Sharps rifles at Windsor, and 15,000 Sharps rifles and carbines at a plant they were to erect at Hartford, Conn. The Sharps Co. Hartford plant was completed in 1853 under supervision of Mr. Lawrence, and the firm undertook a contract of 25,000 Enfield rifles with a promise of 300,000 more. However, this did not materialize, and Robbins & Lawrence, heavily involved in preparations for the order, failed. The auctioned plant was acquired by E. G. Lamson, A. F. Goodnow and B. B. Yale, under the name of Lamson, Goodnow & Yale of Windsor, Vt., which in turn was succeeded by E. G. Lamson & Co., then Windsor Mfg. Co. In 1869 Mr. R. L. Jones joined the Company; in 1879 Jones & Lamson was organized to

take over the machine business, which had been one of the side lines of the Windsor Company. Jones & Lamson are still active in Springfield, Vt., where they had moved from Windsor in 1889.

When the Robbins & Lawrence firm failed, Mr. Lawrence took charge of the operations at the Sharps plant at Hartford, which remained under the Sharps Rifle Co. stockholders' control.

ROBBINS, W. E.—Manesburg, Pa. Maker of percussion rifles.

ROBBINS, W. G.—Windsor, Vt. Percussion rifles.

ROBERTS BREECH-LOADING ARMS CO.—39 Broadway, N. Y., 1865-74. Controlled by Gen. Benjamin S. Roberts, inventor of the Roberts army rifles and carbines, and of the Roberts system of alteration to breech-loaders, patented Feb. 27, 1866. The Roberts arms were manufactured by the Providence Tool Co. The Roberts conversion system was adopted by the State of New York in 1867.

ROBERTS, W.—Dansville, N. Y., 1850. Four shot, "pepperbox" type, percussion rifle.

ROBERTSON, Wm.—Well known Philadelphia gunsmith, maker of duelling pistols. Listed as gunsmith at 102 Carpenter in 1829. In the 1841-44-45 McElroy's Philadelphia Directors, Wm. Robinson, gunsmith is listed at 90 S. 2nd. He is believed to be identical with Robertson, for William Robertson, gunsmith is shown residing at 90 S 2nd in 1846-47-48-49. His subsequent addresses (under Robertson) are shown at SW 2nd and Walnut in 1851-52-53; SE 2nd and Dock in 1854-55; 47 Walnut below 2nd in 1856-57 and at 131 Walnut in 1859, last entry.

ROBINSON—Philadelphia, Pa., 1830-1855. Kentucky rifles.

ROBINSON, E.—New York, N. Y. Edward Robinson, Civil War contractor for Springfield muskets, Model 1861:—

June 10, 1863—20,000 at \$20.00; 12,000 delivered.

Dec. 29, 1863—5,000 at \$18.00; 4,000 delivered.

Feb. 23, 1864—15,000 at \$18.00; 8,000 delivered.

Oct. 4, 1864—7,000 at \$18.00; 6,000 delivered.

ROBINSON, S. C. ARMS COMPANY—Richmond, Va., 1862-63. Located on canal near Petersburg railroad bridge. Makers of Confederate Sharps carbines. Revolvers on the Whitney pattern were also to be made, but proposals were withdrawn in 1861. Operated by Samuel C. Robinson, owner of the Belvidere Planing Mills of Richmond, who furnished the capital and Lester, the foreman in charge of works. Taken over by the Confederate Government in 1863 and removed to Tallassie, Ala., in 1864.

ROBINSON, S. C.—Richmond, Va., Confederate arms manufacturer, operator of S. C. Robinson Arms Company. Had a contract for manufacturing shells for U. S. in 1860.

ROBINSON, Wm.—Philadelphia, 1841-1845. See Robertson, Wm.

ROBSON, James O.—111 Main Street, Buffalo, N. Y., 1854-7.

ROCK ISLAND ARSENAL—Rock Island, Ill., 1843 to date. Facilities for manufacture and repair of U. S. rifles, Model 1903. The arsenal produced 47,251 Model 1903 rifles during the World War.

ROCKETER, J. H.—Also Rector, Syracuse, N. Y., 1845-55.

RODGERS, John—See Rogers, John.

ROEMER, O. E.—Unidentified. Percussion rifles.

- ROESCHEN, C. A.**—Unlocated. Half stock percussion rifle with patent breech.
- ROESSLER, C.**—Charleston, S. C., 1867.
- ROESSER, Matteas**—Also Roeser, Matthew, Mathias or Mathew. Lancaster County, Pa., before and after 1740-51. Kentucky rifles. William Henry I, served his apprenticeship under Roesser.
- ROESSER, Peter**—(or Roeser), Lancaster, Pa., 1741-1755 and probably after 1780. Flintlock Kentucky rifles.
- ROGER, J.**—Highland, Ill.
- ROGERS & BROS.**—Philadelphia, Pa., about 1820. Pistol makers.
- ROGERS, H.**—Unidentified. Lock marking on a flintlock Kentucky rifle.
- ROGERS, H. D.**—Unlocated. Over-under percussion rifle-shotgun.
- ROGERS & HEART**—Utica, N. Y. Percussion pistol.
- ROGERS, John**—Philadelphia, Pa., ironmonger listed (with Charles Rogers) in the City Directories at 7 N. 2nd Street, in 1809, and at 52 High Street, from 1810 to 1824. Then Rogers Brothers & Co., are listed at 52 High Street, until 1846.
- John Rogers (sometimes also spelled Rodgers) bought the Valley Forge in 1814. On March 21, 1821, in association with Brooke Evans of 120 High St., Philadelphia, Rogers took over the refunct contract of Alexander McRae of Richmond, Va., of July 28, 1817, for 10,000 muskets at \$12.75 per stand. Brooke Evans remodelled the old forge and iron works into a gun factory, and by Dec. 31, 1823, John Rogers and Brooke Evans are recorded to have delivered 5,730 muskets on the contract.
- On Jan. 1, 1825, John Rogers (alone) contracted for 5,000 Model 1816 muskets at \$12.25 per stand, to be delivered at the rate of 1,000 per annum. This contract was probably shared with Wm. L. Evans, a practical gun-maker who managed the Evansburg arms works.
- The Valley Forge descended to a nephew, Charles H. Rogers, then to female descendants, until bought by Pennsylvania for a park.
- ROGERS, R.**—California. Brass mounted, pill-lock rifle.
- ROGERS & SPENCER**—Willowdale, N. Y., about seven miles south of Utica. Civil War makers of Pettengill percussion hammerless revolvers under the Raymond & Robitaille patent of Nov. 15, 1856, of which 2,001 were bought from Rogers & Spencer by the War Department between Oct. 20, 1862, and Jan. 17, 1863. Later the firm manufactured the Rogers & Spencer percussion revolver made under the H. S. Rogers patent of Nov. 4, 1862, No. 36,861. There were 500 of these well made arms bought from Jan. 30, 1865, to Sept. 26, 1865, too late for use in the Civil War. The Rogers & Spencer revolvers were really a development of the Freeman revolver. The firm acquired the Freeman patents and improved and refined the arm, producing a sturdy, handsome and well balanced weapon.
- ROGERS, Wm.**—Philadelphia, Pa. Listed as gunsmith at 30 Brown, in 1829.
- ROGERS, Wm.**—Philadelphia, Pa. Listed as gun powder manufacturer at 3 Minor, in 1829.
- ROHRER, Leopold**—New Castle, Pa., 1873-1939. Born in St. Peter, Baden, Germany, Nov. 13, 1851; came to America in 1871. With

Great Western Gun Works, Smithfield St., Pittsburgh, Pa., then in Chicago. Established gun shop in New Castle in 1873; active until 1939.

ROLL, F. X.—Liberty, Mo., French gunsmith. Established early in frontier days about 1822. Made and repaired arms for about fifty years.

ROME REVOLVER & NOVELTY CO.—Nickel-plated revolvers.

ROOD, M. L.—Denver, Col., before and after 1860-81. Listed at 202 15th Street, 1873-81.

ROOP, J.—Bellefonte, Pa., about 1850-1860. Percussion rifles.

ROOP, John—Allentown, Pa., 1768-1775, before and after. Extensive maker of flintlock Kentucky rifles, Masonic emblem characteristic. Flintlock rifle dated 1768, silver Masonic emblem in cheekpiece. Another, silver inlaid, with emblem on patchbox.

ROPER REPEATING RIFLE CO.—Amherst, Mass., about 1867-1876., makers of multi-shot repeating rifles and shotguns under the H. S. Roper patent of April 10, 1866, No. 53881.

The corporation consisted of H. S. Roper of Roxbury, Mass., the inventor, Christopher M. Spencer of Spencer repeating arms fame, H. D. Fearing, Leonard M. Hills and his son Henry F. Hills and had been organized with capital stock of \$100,000.

From 1869 to 1876 the Roper arms were made for the company, renamed Roper Sporting Arms Co., of Hartford, Conn., by the Billings & Spencer Co. of Hartford.

ROPER SPORTING ARMS CO.—Hartford, Conn., 1869-1876. Successors to Roper Repeating Rifle Co. of Amherst, Mass. Promoters of combination revolving rifle-shotgun, using interchangeable barrels, made for the Company by Billings & Spencer, Hartford, Conn.

ROPP, Adam—Lancaster, Pa., 1857.

ROSS, A. C.—Zanesville, Muskigum Co., Ohio, 1810-20. Rifle and pistol maker. Son of Elija Ross.

ROSS, Boone—Terre Haute, Ind. Heavy, percussion, match rifles.

ROSS, Elija—Zanesville, Muskigum Co., Ohio., 1804-1864. Born in Brownsville, Penna., 1786. Fine gun and swordsmith.

ROTH, Charles—Wilkes Barre, Pa., about 1840.

ROTH, Henry—Wilkes Barre, Pa. Percussion period.

ROTHROCK, Edward—Middle Creek, Snyder Co., Pa. Late percussion period. Active until death Jan. 1, 1934.

ROUP—Mifflinburg, Pa. Kenucky rifles.

ROW, Nathaniel—Penna. Had served apprenticeship under John Armstrong. Handsome, relief carved rifle.

ROWE, A. H.—Hartford, Conn., 1864. Maker of a rifle under A. H. Rowe patent of April 5, 1864, No. 42,227. Proved to be an infringement on R. S. Lawrence patent of Jan. 6, 1852, No. 8,637.

ROWE, E. P.—Unlocated. Kentucky rifles.

ROWELL, Harry—Columbus, Wis., 1870's. Inventor of a breech-loading action somewhat of the Remington-Hepburn type. Few heavy barrel known of rather crude workmanship, probably specimen pieces to demonstrate the action.

ROWELL, H. H.—Sonora, Calif., before and after 1876. Riflesmith and match shooter.

- ROYDEN, Jesse**—Fentress Co., Tenn. Kentucky rifles.
- ROYET, Louis**—Reading, Pa., 1867 and later. Came from France in 1858. Percussion and breech-loading arms.
- ROZZEL, Thomas**—Granville Hollow, Washington Co., Pa. Percussion period. Fancy, silver-mounted rifles.
- RUDD & SPENCER**—Canon City, Col., 1877-80.
- RUDOLPH, A. E.**—Canon City, Colo., 1870-80. Maker of muzzle-loading and breech-loading rifles. Had worked in Confederate Armory during the Civil War. Came to Canon City in 1870.
- RUDOLPH & CO.**—Successors to H. E. Dimick, St. Louis, Mo., 1874.
- RUDOLPH, Victor**—St. Joseph, Mo., 1867-79 and later. Associated with Rudolph & Co.
- RUDOLPH, W.**—Jackson near Davis, San Francisco, Calif., 1859-60. At 216 Pacific, 1861-65.
- RUDOLPH, W. S.**—Canon City, Colo., 1875. Heavy, curly maple half-stocked plains rifle with back action lock stamped with defective die of G. Goulcher. Barrel stamped with name, location, date and "No. 7." Evidently related to A. E. Rudolph, Canon City, Colo., 1875-80.
- RUETSCHNER, A.**—Pueblo, Col., 1880.
- RUFNER, Bennivel**—Wyomissing Creek, Berks Co., Pa. Gun barrel grinder.
- RUGGLES, A.**—Stafford, Conn. Under-hammer percussion pistols.
- ROUGH, G.**—Unlocated. Percussion rifle.
- RUPERTUS PAT'D PISTOL MFG. CO.**—Philadelphia, Pa., 1860-88. Makers of single-shot percussion and cartridge pistols, 4-shot rim fire cartridge pistols, 8-shot. 22 cal. pepperboxes and of J. Rupertus revolvers and sporting rifles.
- RUPP, Herman**—Pennsylvania rifle maker, 1784.
- RUPP, John**—Pennsylvania, about 1740. Kentucky rifles.
- RUPP, John**—Ruppville, Pa., near Allentown, about 1780. Pistol maker.
- RUPPERT, William**—Lancaster, Pa., before and after 1776.
- RUSH, John**—Byberry Township, Pa., gunsmith, blacksmith and farmer, 1745, before and after? A John Rush had settled at Byberry (twelve miles up Delaware River from Philadelphia) in 1683. In the fourth generation of Rushes was Dr. Benjamin Rush, signer of Declaration of Independence.
- RUSILY, Jacob**—Lancaster, Pa., Flintlock Kentucky rifles. Died 1822. Maker of a very handsome, carved and inlaid Kentucky rifle circa 1830, with "S. SPAGLER" lock.
- RUSLIN, Jacob**—Unlocated. Flintlock rifles. (Same as Rusily?)
- RUSSOM & CO.**—Unlocated. Flintlock and percussion Kentucky rifles.
- RUTH, John**—Wyomissing Creek, Berks Co., Pa. Made finished rifle barrels.
- R. & W. C. B. CO.**—See R. & W. C. Biddle.
- RYAN, T. E.**—Norwich, Conn. "Retriever" pocket revolvers.
- RYAN, THOS J. PISTOL MFG. CO.**—Franklin St., N. Y., 1874 and after. Maker of "Napoleon" revolvers.
- RYNES, Michael**—Pequa Creek, Lancaster Co., Pa. Revolutionary period.

S

- SACKET, J.**—See Sackett, Jacob.
- SACKETT, D. S.**—Westfield, Mass. Underhammer, brass-frame percussion pistol.
- SACKETT, Jacob**—(Also Sacket, J.) Saegertown, Crawford Co., Pa. Heavy over-under swivel rifle-shotgun; single and over-under percussion rifles.
- SACRISTE, L. C.**—Gunsmith, 1 Victory, New Orleans, La., 1853.
- SAGE, Luther**—U. S. Inspector of Contract Arms, 1817-1838. Inspected arms in plants R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr, Asa Waters and Eli Whitney.
- SAGET, Julian**—New Orleans, La., gunmaker listed in the City Directory 1841 to 1866; to 1865, at 80 St. Philip and from 1866, at 198 Chartres. Arthur E. Saget listed as gunsmith at the Chartres address from 1881 to 1896. Stocks bought out by P. Bouron when business was discontinued.
- SALOLA**—"The Squirrel." Qualla Town, Haywood Co., N. C., in 1843-1848. Blacksmith and gunmaker of the Cherokee Nation. Rifles and pistols made lock stock, and barrel. An underhammer, rifled percussion bootleg pistol, barrel inscribed in Cherokee alphabet.
- SALTER or SOLTER, Wm. J.**—Short Creek, Jefferson Co., Ala. Kentucky rifles.
- SALTERSWAITH, Barclay**—New Lisbon, (now Lisbon) Columbiana County, Ohio. Active in the early part of the 19th Century.
- SALTONSTALL, Gordon**—Paid in August 1775, by Connecticut, for receiving, storing and repairing arms after the "1762 war."
- SAMPLES, B.**—Urbana, Champaign Co., Ohio, active before and after 1848-54. Fullstock Kentucky rifle dated 1852. Also lock on a Kentucky rifle by J. D. Loomis Co.
- SANDERS, William**—Gunsmith .44 Cedar, Phila., Pa., 1819.
- SANDERSON, B.**—Vermont. Maker of heavy barrel, under hammer, birdseye maple stock target rifle.
- SANDERSON, M. F.**—Proctorsville, Vt., 1857. Underhammer percussion rifle, and "harmonica" rifle.
- SARGENT & SMITH**—Newburyport, Mass.
- SARSON & ROBERTS**—J. B. Sarson and William S. Roberts, 11 Platt St., New York, N. Y. Civil War Contractors of Dec. 26, 1861, for 25,000 Model 1861 Springfield rifle muskets at \$20.00 each. Of these 5,140 were delivered on contract.
- SATTERTHWAIT, B. A.**—Unlocated. Silver inlaid percussion Kentucky rifle.
- SAUP, Andrew**—Bedford Borough, Bedford Co., 1841.
- SAVAGE ARMS CO.**—See Savage Repeating Arms Co., of Utica N. Y.
- SAVAGE ARMS CORPORATION**—See Savage Repeating Arms Co., of Utica, N. Y.
- SAVAGE, E.**—Edward Savage, Middletown, Conn., maker in 1856-59 of the H. S. North patent, figure-8 trigger revolver, patented June 17, 1856, No. 15,164. See North & Savage.
- SAVAGE, James**—37 George St., Baltimore, Md., 1810.
- SAVAGE REPEATING ARMS CORPORATION**—Utica, N. Y. Founded in 1895 as the Savage Repeating Arms Co., by Arthur

W. Savage, who was born in Kingston, Jamaica, came to United States as a boy and attended school in Baltimore, later completing his education in England. After an adventurous life in Australia, East Indies, Egypt and back to his native West Indies, he returned to the United States to take up residence in Utica, N. Y., where for a time he was the manager of the Utica Belt Line Railroad.

Though the Savage Repeating Arms Company was organized in 1895, to manufacture arms of Mr. Savage's design, the first firearms introduced by the Company were made by the Marlin Firearms Co., of New Haven, Conn., as the Savage manufacturing plant was not established until 1898, three years or so after the organization of the Company.

In 1899, the firm was renamed Savage Arms Co., and in 1917, became the present Savage Arms Corporation controlled by J. Stevens Arms Co., manufacturing a wide variety of sporting arms and the A. H. Fox shotguns.

Arthur W. Savage was found dead in San Diego, Cal., Sept. 22, 1938, from a bullet wound; a pistol was by his side.

Savage Revolving Firearms Company—Middletown, Conn. Organized in 1860, by Henry S. North and Edward Savage (previously North & Savage) for the manufacture of their navy revolver (North patent of 1856) as improved by North and Savage patents of Jan. 8, 1859, No. 22,666, and of May 15, 1860, No. 28,331. The government purchased 11,284 Savage navy revolvers during the Civil War. See also North & Savage. The Company is believed to have made some Starr revolvers in their plant.

The Company also contracted during the Civil War for Model 1861 rifle muskets; on Sept. 9, 1862, for 25,000 at \$18.00 each; 13,520 delivered, and Feb. 25, 1864, for 12,000 at the same price; contract completed. These contracts were signed by James A. Wheelock, Secretary of the firm. Edward Savage was one of the sureties.

SAWYER, Phineas—An English type sporting flintlock musket, with this name on lock. May be a Committee of Safety musket.

SAXONIA GUN WORKS—Eugene, Oregon. Limited production of 16 gauge hammerless shotguns.

SAYLOR, Jacob—Bedford Borough, Bedford County, Pa., about 1776. Reputed to have made muskets for Committee of Safety and worked on public arms 1779-83. To date not found mentioned in contemporary records.

S. B.—Unidentified. Barrel marking of an circa 1820, flintlock Kentucky rifles of north-central Penna. provenance. On one specimen the patchbox lid is engraved "BERLIN" in script.

S B in oval—Unidentified barrelmaker. Stamped under breech of A. Gumpf halfstock percussion rifle.

S. C.—Initials to denote ownership by State of Connecticut.

SCHAEFER, William R.—Boston, Mass., 1853 to 1916 and after. Associated with Warner in 1860-70.

SCHAEFFER—Unidentified. Flintlock rifles.

SCHAFER, J. A.—Vicksburg, Miss. Large bore muzzle loading percussion rifle marked "J. A. SCHAFER VICKSBURG MISS."

SCHAEFER & WARNER—Boston, Mass. 1860-70.

SCHAIRER—Back action lock marked "SCHAIRER I. G." on a curly

maple, half stock, single shot, percussion rifled pistol, and double set triggers, percussion Kentucky rifles.

SCHALK, Andrew—Pottsville, Pa., Percussion period. Had been associated with T. P. Cherington.

SCHALK, Chris—Williamsport, Pa., about 1825-75.

SCHALCK, George—(also Schalk) Born in Wils Baden, Germany, 1821; emigrated to Pottsville, Pa., in 1854. Famous maker and shooter of Schuetzen rifles; inventor of Schalck rifling system for unpatched, grooved and lubricated bullet. Retired about 1891, died Nov. 2, 1893.

SCHANER, Henry—Oley Valley, Pa.; early 19th century riflesmith.

SCHARP, S.—Pennsylvania. Kentucky rifles.

SCHEANER, William—Also Shener. Reading, Berks Co., Pa., 1779-85.

SCHHEETZ, F.—Virginia. Kentucky rifles. Related to M. Sheets, Virginia?

SHELL, John—Pennsylvania. Late flintlock and early percussion periods.

SCHENKL, J. P.—Boston, Mass., 1850-54. A carbine made by J. P. Schenkl was tested by the West Point Board in 1857.

SCHILLING, Frederick—Lancaster, Pa., 1857.

SCHILLING, Peter—Lancaster, Pa., 1857.

SCHLEGELMILCH, Herman—Born in Suhl, Germany. Came to the United States in 1853. Worked at the gunmaking trade in New York City, Bethlehem, Pa., and Chicago, before settling in Beaver Dam, Wis., in 1855. In 1860 moved to Cedar Rapids, Iowa, and then to Eau Claire, Wis., in the same year, where he remained until his death in 1903. Made percussion hunting and target rifles including over-under double barrel rifles and rifle-shotgun combinations—a popular type of gun in Wisconsin in the percussion era.

SCHLEY, Jacob—Fredericktown, Md., Revolutionary War rifle maker. Contracted April 19, 1776, with the Maryland Council of Defense for heavy, brass-mounted, black walnut stocked rifles carrying a four ounce ball. A specimen was shown to Washington and was highly praised by him.

SCHLOTTERBECK, C.—103 Commercial, San Francisco, Calif., 1859-60. (With A. J. Plate?).

SCHMELZER, J. H.—Leavenworth, Kan.

SCHMIDT, Hernrich—Lancaster, Pa., 1857.

SCHMIDT, William—New York, N. Y. Accepted a contract July 15, 1857, for ten Schroeder patent carbines at \$30.00 each.

SCHNADER, Franklin K.—Gun barrel maker on Wyomissing Creek, between Mohn's Store and Gouglersville, near Reading, Berks Co., Pa. Made 2,500-3,000 barrels a year. Made 1,700 rifle musket barrels during the Civil War. Made barrels for J. H. Johnston of Pittsburgh, and Henry Leman of Lancaster. Bought John Keim (formerly Worley), shops from Nicholas Yokum & Son; improved buildings and built a dam. Father of Nathaniel Schnader.

SCHNADER, Nathaniel—Son of Franklin K. above. Managed Schnader works on Wyomissing Creek until 1890 or later.

SCHNAUT, T. G.—Monmouth, N. J. Died 1838.

SCHNEELOCH, Otto—Brooklyn, N. Y., 1868-75. Percussion rifle.

SCHNEIDER—622 Market St., San Francisco, Calif. 1887. Made rifles called "Native Son Guns."

- SCHNEIDER**—Unidentified. Kentucky rifles, circa 1860.
- SCHNEIDER, A.**—Unlocated. Plains rifles, late flintlock period.
- SCHNEIDER, F. A.**—Canton, Ohio, 1853-57. Maker of gun barrels.
- SCHNEIDER, F. A.**—Columbia, S. C. Advertised in the "Daily Phoenix" on Dec. 5, 1868 "... making to order all kinds of Pistols, Guns, Locks, etc . . ."
- SCHNEIDER, John**—Unlocated. "MAR. 19, 1776" engraved on patch of very early Penna. type Kentucky rifle with lock engraved in script "J.S."
- SCHNEIDER, M.**—Dayton, Ohio, 1859-65. Listed as M. Schneider & Son from 1866-71.
- SCHNEIDER & CO.**—Memphis, Tenn., makers of percussion derringers.
- SCHNEIDER & GLASSICK**—20 Jefferson St., Memphis, Tenn. William S. Schnieder and Frederick G. Glassick, arms makers for the Confederacy. Manufacturers of percussion derringers.
- SCHOB, J.**—Pennsylvania, 1780-1815.
- SCHOEB, I.**—(of J. Unidentified. Die marked on barrel of Penna. rifle. May be barrel maker only. (Same as J. Schob?)
- SCHOENER, Henry**—Reading, Pa., 1850-63 and after.
- SCHOENMEN, Frederick**—517 Kearny St., San Francisco, Calif. 1887.
- SCHONTZ, P. H.**—Canal Fulton, Stark Co., Ohio, 1855-65.
- SCHORER, Andrew**—Bethlehem Township, Pa., Revolutionary War period.
- SCHOYEN, George**—Denver, Colo., gunsmith, native of Norway. Came to U. S. shortly after the Civil War and found employment with Carlos Gove, Denver gun maker, in 1873. In 1885 Shoyen established his own shop with D. W. Butt as partner. This dissolved in 1887, he took in F. A. Burgen, the partnership lasting until 1897. In 1904 Axel W. Peterson became his partner with shop at 1417 Lawrence St. Later directories give shop locations at Blake, Fifteenth, Arapahoe and Lawrence Streets. Shoyen died in 1916, the business being carried on by A. W. Peterson.
- SCHRAPEL, Louis**—Georgetown, Colo., 1877-80.
- SCHRAYER, George**—Also Schryer. Franklin & Greene Sts., Baltimore, Md., 1810.
- SCHREIDT, John**—Reading, Pa., 1858-68. Kentucky rifles.
- SCHRECKENGOST, Wm. and L. G.**—See Shreckengost, William and son, L. G.
- SCHREYER, George**—Also Schroyer. Had worked in Abbotstown, Pa. Circa 1800 carved stock, flintlock Kentucky rifle of fine workmanship. Reported not to have used curly grain in his carved maple stock rifles.
- SCHRIVENER, James A.**—Auburn, N. Y.
- SCHRIVER, G. B.**—The Camden, S. C. "Journal," May 31, 1861 "G. B. Schriver, gunsmith, has built a breechloading rifle upon the same principle as the Maynard but is an improvement thereon."
- SCHRIVER, J.**—Pennsylvania. Kentucky rifles.
- SCHROCK, Jacob D.**—Five miles east of Goshen, Ind. Born Dec. 5, 1823, died Jan. 13, 1918 at the age of 94. With his wife, migrated

from Holmes Co., Ohio, to Indiana in 1847. Active about 1852-1890. Maker of fine superposed rifle-shotguns with Remington barrels and purchased locks.

SCHROEDER, H.—With L. Salewski and William Schmidt of Bloomington, Ind., associates, patentee and maker of a single-shot carbine, patented Dec. 23, 1856, No. 15,288. Purchase of ten Schroeder carbines reported by an ordnance report of Nov. 1, 1858.

SCHROYER, George—Probably same as George Schryer, Reading, Pa. Huge, early Kentucky style match rifle with half-octagon barrel.

SCHROYER, Mathias—Taney Town, Md., musket maker, contractor under Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795), muskets at \$13.40 per stand. There were 150 recorded delivered by June 10, 1801.

SCHRYER, George—Also Schrayner, Franklin and Greene Sts., Baltimore, Md., 1810.

SCHRYER, George—Reading, Pa., 1758-1768. See Schroyer, George.

SCHUBARTH, C. D.—Casper D. Schubarth, Providence, R. I., Civil War Contractor of Oct. 11, 1861, for 20,000 Springfield rifle muskets, Model 1861, at \$20.00 each. Of these 9,500 were delivered. The contract was extended by another 30,000 on Nov. 26, 1861, but no deliveries were made on the second lot.

SCHULER, H. J.—Curly maple stock, swivel breech, percussion, over-under Kentucky type rifle. See Shuler.

SCHULL, M.—Lancaster Co. Pa., 1800-1838. Flintlock Kentucky rifles.

SCHULTZ—Unidentified. Flintlock rifles.

SCHUMANN, Louis—Memphis, Tenn., 1860.

SCHUSLER, Nicholas—Morgantown, W. Va. No details.

SCHWEITZER, A.—Unlocated, possibly Pa. Early flintlock Kentucky rifles. Rifled flintlock Kentucky pistol, carved curly maple full-stock with coin silver mountings; lock and barrel stamped. A. Schweitzer.

SCOTT—Washington Co., Pa., period of 1800. Fine flintlock Kentucky rifle.

SCOTT, E.—Albany, N. Y., maker of a fine percussion target rifle with back action lock, double-set triggers, German silver patch-box and octagon barrel by Remington.

SCOTT, GRANT—Zanesville, Muskingum Co., Ohio, 1804-1820.

SCOTT, J. N.—Unlocated. Percussion Kentucky rifles.

SCOTT, W. J. and R. H.—Albany, N. Y., 1848-50. Percussion rifles.

SCOVE, Nicholas—Maker of gun skelps for musket barrels. In employ of Col. Peter Grubb, who operated a gun skelp forge for the Lancaster, Pa., Committee of Safety in 1776.

SCOVILLE, Hezekiah—Haddam, Conn., musket barrel manufacturer of early 1800's. Supplied Eli Whitney and Nathan Starr.

SCOUT, Jacobus (or James)—1736-1829. Warminster Twp., Bucks Co., Pa. Learned silversmithing from John Fitch, presumably worked on the first commercial steamboat. In 1776 an armorer with the Continental Army near Trenton. A slim converted flintlock Kentucky rifle with silver eagle inlay under forearm, large script initials "J. S." on patchbox.

S. D.—Unidentified. Good Kentucky rifles.

SEABURY, J. & CO.—Southbridge, Mass., 1861.

- SEAYER**—Vergennes, Vt.
- SECHREST**—Pennsylvania. Kentucky rifles.
- SEDGLEY, R. F., Inc.**—Philadelphia, Pa. Modern. Makers of sporting and military arms.
- SEELEY, Austin**—Reedsburg, Wis., 1849 until after the Civil War. Seeley was born in Medina County, Ohio, in 1820, and moved to Wisconsin in 1845. Made percussion hunting and target rifles.
- SEELEY, D. N.**—Western N. Y. Percussion Kentucky rifles.
- SEELEY, T. B.**—(Also Sieley?) Dunkirk, N. Y. Over-under percussion rifle-shotgun.
- SEES, J.**—Unlocated. Flintlock, Kentucky type pistol with lock marked "Foulke Philadelphia."
- SEEWALD, Valentine**—Tiffin, Seneca Co., Ohio, 1830.
- SEIBERT, Charles and Christian**—See Siebert.
- SEIDNER, J.**—Unlocated. Percussion Kentucky rifles.
- SEIGLING, W. C.**—Sandusky, Ohio, 1866-69. Rifles and shotguns.
- SEIPEL, Conrad**—Also Siple or Sipel. Philadelphia region, 'about 1750. See Siple C.
- SEIPEL, J.**—Percussion Kentucky rifles.
- SELDEN, A.**—Whitehall, N. Y. Side-by-side percussion rifle-shotgun.
- SEITS, Colonel George**—Lancaster, Fairfield Co., Ohio, 1820's.
- SELL, Frederick**—Unlocated. Early, carved flintlock Kentucky rifle.
- SELLS, Jacob**—Believed to have worked in Linglestown, Pa. Made relief carved stock, flintlock Kentucky rifles.
- SELLS, Benjamin**—Georgetown, Ohio, 1835-1865. "Curly maple or Sugartree gunstocks."
- SELLS, James**—Ohio.
- SELLS, M.**—Unlocated. Curly maple fullstock percussion Kentucky rifle. "W. W. TWEED" on stock, "M. SELLS" in script on barrel.
- SELLS, M. B.**—Georgetown, Brown Co., Ohio, 1839.
- SELLS, N. F.**—Laurelville, Hocking Co., Ohio, 1877-82.
- SELMA ARSENAL**—Selma, Ala. Confederate armory. According to Benjamin Franklin Barnes, a resident, the arsenal manufactured rifles, muskets, pistols, swords and bayonets, with Captain N. D. Cross, C. A., in charge of operations. The plant which consisted of twenty-four buildings, was destroyed by General Wilson's cavalry. It is said that brass-frame revolvers were made at Selma towards the end of the Civil War, and it is possible that these were made by Charles H. Rigdon, who had come to Selma from Augusta, Ga.
- SELVIDGE, John**—Harris Creek, Bradley Co., Tenn., 1800-1845 and after; learned trade from a smith named Wright who had learned under the Yeomens at Charlotte, N. C. Selvidge went to Tennessee in 1800, was active at age 91. Meredith Wolfe became his apprentice in 1845, later married his daughter Elizabeth.
- SEMMENCE, Ed.**—Erie, Pa., working in 1900. Riflesmith.
- SEMPLE, A. B. & BROTHERS**—Louisville, Ky. Late flint Kentucky rifle locks marked "A. B. SEMPLE & BROTHERS LOUISVILLE."
- SENSENY, J.**—Chambersburg, Pa., 1850's. Taught the trade to James H. Johnston, later of the Great Western Gun Works, Pittsburgh.

- SERLES, D.**—Post-Civil War riflesmith; learned under J. H. Johnston of Pittsburgh.
- SETTLE, Felix**—Barren Co., Ky. Son of Wm. Settle, born 1792. Extensive maker of flintlock and percussion Kentucky rifles—one numbered 1020. Father of Simon Settle.
- SETTLE, John**—Pennsylvania. Early flintlock Kentucky rifles.
- SETTLE, Simon**—Greensburg, Green Co., Ky., 19th century. Son of Felix Settle. Kentucky rifles.
- SETTLE, William**—Barren Co., Ky. Born in Virginia, 1770, of Scottish ancestry; died 1808. Father of Felix Settle. Fine flintlock Kentucky rifles.
- SETTLE, Wm.**—Russelville, Logan Co., Ky., 1863. Probably related to the Settle family: William Settle (1770-1808), and son Felix, (born 1792), of Barren Co., Ky., and grandson Simon of Greensburg, Green Co., Ky.
- SETTLE, W. F.**—Unlocated. Walnut halfstoked percussion rifle with Riddle lock. Name and number XXVI stamped on barrel.
- SEVERIN, T.**—524 Kearny, San Francisco, Calif., 1861-64.
- SEVER, Joseph and Shubabel**—Armors to the Colony of Massachusetts as of June 12, 1775. Gunsmiths to Committee of Safety, Framingham, 1775-76.
- SEWARD, Benjamin**—Boston, Mass., 1796-1803.
- SEYMOUR**—Unlocated. Over-under, swivel-breech, percussion double rifle with one barrel bored smooth. Back action lock. Burl walnut stock with cheekpiece.
- S. G. B.**—(Samuel Border of Bedford Co., later Somerset Co., Pa.?) Maker of a full curly maple stock percussion rifle.
- SCHAEFER, Joseph**—Unlocated. Maker of early percussion Kentucky rifles of Snyder Co., Pa., style and fine workmanship. Graceful Roman nose, inlaid stocks with brass furniture.
- SHAFFER, Joseph (also Shaefer)**—Unlocated. Kentucky rifles c. 1760-1800. Possibly same as Schaeffer.
- SHAKANOOSA ARMS MFG. CO.**—Confederate shoulder arms makers. See Dixon, Nelson & Co.
- SHANE, B. F.**—Unidentified. Percussion Kentucky rifle.
- SHANNON, W. & H.**—William and Hugh Shannon, gunsmiths and cutlers are listed in the Philadelphia, Pa., City Directories as follow: Hugh Shannon, (alone) at 47 Sassafras in 1805-07. William and Hugh at 24 Passyunk, near 5th in 1809-11, and at 21 Passyunk in 1813-16. William is listed alone at 224 Shippen in 1817-20, while in 1819-20 Hugh is shown at 57 Mead.
- W. & H. Shannon contracted Nov. 9, 1808, with the government for 4,000 Model 1808 muskets, to be delivered over a period of five years, of which, 1,001 are recorded delivered by Oct. 7, 1812.
- William Shannon, son of John Shannon of Norristown, was a Deputy Commissary of Hides in 1779, of which department William Henry I had been appointed Chief Commissary. The Shannon clan became related to the Henrys by marriage of Joseph Henry in February, 1799, to Mary Shannon, daughter of James (brother of William) and Elizabeth (Lane) Shannon. William Shannon was born in 1745, died Aug. 6, 1823, at the age of 78, and is buried at the St. James Perkiomen Churchyard at Evansburg. The relation of Hugh Shannon to William is un-

certain, most likely son, as William's brothers were named Robert and James.

SHARP, John—Shelby County, Ohio. Pioneer gunsmith well known in the county for fine workmanship.

SHARP, Noah A.—Unlocated. Curly maple, silver-inlaid, full-stock, percussion Kentucky rifle.

SHARPS, C. & CO.—West side of 30th Street, south of Bridge Street, Fairmount, (West) Philadelphia, Pa., about 1857-63. The firm was established by Christian Sharps, who was born in New Jersey in 1811. After a common school education he was apprenticed in the machinist's trade and is believed to have worked out his invention of a breech-loading arm in the Daniel Nippes Armory on Mill Creek, about six miles from Philadelphia. The fact that one of his earliest arms is marked A. S. Nippes, supports this belief. Considering that the name Sharps, in rifles, is almost synonymous with Colt in revolvers, but little is known of the inventor's life.

It is known that prior to 1852, Sharps arms were made in small numbers by several firms, such as Massachusetts Arms Co., Robbins & Lawrence at Windsor, Vt.

In 1857, it is recorded that C. Sharps & Co. consisted of Christian Sharps in association with Nathan H. Bolles and Ira B. Eddy. They erected "a very extensive establishment (140 ft. x 40 ft., brick) in which were housed machinery of most beautiful and accurate description . . . a high pressure engine of 75 horsepower which forms the motive power of the establishment." The firm made Sharps breech-loading, self-priming pistols and Sharps rifles.

In 1863, the Company combined with Wm. C. Hankins, rifle manufacturer, to form Sharps & Hankins rifle and pistol manufacturing establishment. After the Civil War the firm moved to the northeast corner of 24th & Springgarden Streets. Sharps and Hankins are listed as residing at 2216 Green Street, in 1868-71.

Christian Sharps died at Vernon, Conn., March 13, 1874.

SHARPS & HANKINS—Philadelphia, Pa., 1863-72. Rifle manufacturers. See Sharps, C. & Co. above.

SHARPS PATENT ARMS M'FED—Fair Mount, Philadelphia, Pa. See Sharps, C. & Co. above.

SHARPS RIFLE MANUFG CO.—Hartford, Conn., 1851-74. Established about 1851, at Hartford, Conn. In 1853, R. S. Lawrence of Robbins & Lawrence, Windsor, Vt., arrived at Hartford to erect and manage an arms manufacturing plant for Sharps stockholders, which plant was to be operated by Robbins & Lawrence for the manufacture of arms based on the Sharps patents. Christian Sharps received a royalty of \$1.00 for each arm made. There is no evidence that Mr. Christian Sharps was directly connected with the operations of the firm, though his brother-in-law, Robert Chadwick, is reported to have taken charge of the Sharps cartridge factory in 1851. After the failure of Robbins & Lawrence, the Sharps Company resumed control, with R. S. Lawrence in operation of the plant.

The government purchased 3,040 Sharps carbines in July, 1858, at \$30.00 each. The Company supplied 80,512 Sharps carbines and 9,141 rifles during the Civil War to June 30, 1866,

and over 31,000 percussion carbines and 2,400 rifles were altered to the Sharps system in 1868-69.

In 1871, the firm sold their plant to Weed Sewing Machine Co., except for a small portion reserved for the manufacture of Sharps Arms. Aug. 31, 1874, the Company was reorganized as the Sharps Rifle Company. See below.

SHARPS RIFLE CO.—Bridgeport, Conn., 1876-81. Formed by the sale and reorganization of the Sharps Rifle Manufacturing Co., of Hartford, on Aug. 31, 1874. With the expiration of the lease at the Weed Sewing Machine Co., on Feb. 1, 1876, the Sharps Rifle Company moved to Bridgeport, Conn., where a new plant was erected for them by a group of Bridgeport citizens. The firm made Sharps sporting and Creedmoor models, and Sharps Borchart martial arms. The firm discontinued production in October, 1881.

SHATTUCK, C. S. ARMS CO.—Also C. S. Shattuck, Hatfield, Mass., about 1880-90. Makers of Unique palm pistol and Shattuck cartridge revolvers and shotguns.

Prior to April 1, 1880, the firm was Hyde & Shattuck.

SHAUB, Adam—Lancaster, Pa., 1857.

SHAW—Massachusetts. Musket maker to Committee of Safety 1775-76.

SHAW, Albert S.—Morrow County, Ohio, 1840.

SHAW, John—Annapolis, Md. State Armorer to Maryland, 1780.

SHAW, Joshua—Lincolnshire, England; Bordentown, N. J., later Philadelphia, Pa. Artist and inventor; invented steel disc percussion cap about 1813. Emigrated to America about 1814; was refused patent as an alien. Improved and manufactured first copper caps. Awarded government honorarium of \$25,000 for his invention in 1846.

SHAW & LEDOYT—Stafford, Conn. Makers of under-hammer percussion pistols.

SHAW, S. & J.—Unlocated. Southern style percussion Kentucky rifle without buttplate or forend cap.

SHAWK & McLANAHAN—Carondelet (St. Louis suburb), Missouri, 1858. Makers of .36 cal. Navy percussion revolvers, 6 shot, brass frame. Abel Shawk of Pennsylvania, mechanic and inventor of steam fire engines, with J. K. McLanahan of Cincinnati, established a factory in Carondelet for the manufacture of locks and fire engines. On Shawk's invention of a rifling machine the firm turned to manufacture of brass frame, .36 cal. six shot revolvers, rifled with seven right twist grooves.

SHEAFF, Henry—Lancaster, Pa., 1857.

SHEE, John—Musket maker to State of Virginia, 1800.

SHEESLEY, George—Hartley Township, Union Co., Pa.

SHEETS, A.—Dayton, Ohio. Percussion rifles.

SHEETS, Adam—Shepherdstown, Va., gunsmith active after the Revolutionary War. The Sheets family came to Shepherdstown from York, Pa., about 1762. Adam had enlisted in Capt. Stephenson's Rifle Company; transferred to Capt. Shepherd's Company. Was taken prisoner, exchanged; drafted out of Capt. Shepherd's into another rifle company Jan. 1, 1777, and transferred in December, 1778, into Co. No. 4, Capt. Charles Porterfield Commanding,

of Morgan's Riflemen. After the Revolution established his gun shop in the house built by his father, in which house the descendants of the family still lived about 1900.

SHEETS, Philip & Henry—Shepherdstown, Berkley Co., Va. Rifle makers 1775-76. Furnished rifles to the Continental forces. Payment of £29-9-6, 78 6/10 dollars noted to Henry Sheets for rifles furnished to Capt. Stevenson's Company, (Feb. 23, 1776).

Sheets Brothers advertised in Dunlop's Pennsylvania Packet or General Advertiser, Dec. 25, 1775: "Philip and Henry Sheets, Gunsmiths. In Shepherds Town, Berkley Co., Virginia. Intend carrying on their business extensively; and as they are in want of hands that understand the said business, they will give great wages either by the week, month, year, or otherwise as they may desire it, to any such that would choose to be employed, by applying speedily at their place of residence as above mentioned."

SHEETS, M.—Virginia. Brass frame, sheath trigger, 6 shot percussion revolver.

SHEETZ—Hartsville, Stark Co., Ohio.

SHEETZ, D.—Southern maker of fine Kentucky rifles.

SHEETZ, I. or J. (or Scheetz)—Pennsylvania. Percussion halfstock rifle, finely silver mounted throughout, with cap and patch boxes.

SHEFFIELD, Jeremiah—Rhode Island musket maker to Committee of Safety, 1775-76.

SHELL & EARLY—Pennsylvania. Flintlock Kentucky rifles.

SHELL, John—Shellsville, Pa. Born Dec. 20, 1790, son of Martin Shell, Jr.; died Mar. 27, 1875. Founded Shellsville, Dauphin Co., Pa.; commissioned a major, 2d Bn. 98th Regt. of Pa. Militia, in 1814. Made many flintlock and percussion rifles marked John Shell or J. Shell; one numbered 421.

SHELL, John—Greasy Creek, Leslie Co., Ky. Son of Samuel Shell, a gunsmith, John Shell claimed to have been born in Tennessee in 1788, which considered that he died in 1922, would have meant that he attained the age of 134 years.

SHELL, M.—Allentown, Pa., about 1780-1820. Fine flintlock Kentucky rifle, curly maple fullstock with raised carving, silver inlays and brass wire scrollwork.

SHELL, Martin, Sr.—Lebanon County, Penna. Rifle maker. Born 1737. Died 1771.

SHELL, Martin, Jr.—Pennsylvania rifle maker, son of Martin Shell, Sr. Born October 16, 1763. Died September 9, 18(?). Father of Jacob, Martin, John and Daniel Shell, rifle makers and gunsmiths.

SHELL, N.—Pennsylvania. Flintlock Kentucky rifles.

SHELL, Samuel—Tennessee, before and after 1787. Father of John Shell.

SHENER, William—Also Scheaner. Reading, Berks Co., Pa., 1779-85.

SHENNEFELT, N.—(Or Shennefeldt) Clarion, Pa. Percussion Kentucky rifle with oval patchbox; back action lock by Whitmore, Wolff, Duff Co.

SHEPHERD, John—Phila., Pa. Listed as gun lock filer at 135 Green, in 1829.

SHEPLER, H.—Unlocated. Plains rifle, flintlock period.

- SHERIDAN PRODUCTS, INC.**—Racine, Wis. In 1947 began making high grade pneumatic rifles.
- SHERMAN, A. P.**—Portsmouth, Ohio. Heavy percussion Kentucky rifles; one acid-etched on barrel, "Fool Killer, I Am Looking for You."
- SHERMAN, B. & W. H.**—Woodstock, Illinois, 1861-65. Fine, walnut stocked muzzle loading percussion rifle with German silver mountings.
- SHERMAN, Nathaniel**—Boston, Mass., 1692.
- SHERRY, John**—Born in 1797, in Lancaster County, Pa. Served his apprenticeship and learned the trade of rifle-making in the Leman rifle shop, which he entered at the age of 17 and remained for 12 years. Established himself in 1830 in Beaver Township, Clarion Co., Pa., as a maker of early percussion Kentucky rifles. Inventor of the segmental rifle groove and one of the first to use gain twist rifling. John Sherry died in 1889.
- SHERWOOD, Samuel Todd**—Between Smithburn and Blandville, W. Va. Born July 7, 1828; died Dec. 14, 1900. Extensive rifle-maker; hand-welded barrels, later used Remington barrels and Leman locks. Used brass flash-guard under hammers, mark "S. T. S." on barrels.
- SHIELDS, D.**—Unlocated. Percussion rifles, single and double.
- SHILLITO, Samuel**—McConnellsburg Boro, Fulton Co., Pa., 1826. (Prior to 1850 Fulton Co., was a part of Bedford County). Late flint and early percussion Kentucky rifles.
- SHILLITS, J.**—Vicinity of Chambersburg, Pa. Had apprenticed under J. N. Johnson, Sr.
- SHIRK, S.**—Pennsylvania, about 1800. Silver inlaid flintlock period Kentucky rifle.
- SHIRLEY, Jeremiah**—Cloverdale, Ohio, 1870. Percussion sporting and target rifles.
- SHISLER, D.**—Flintlock Kentucky rifle, period 1820, caliber .45, with ornate brass furniture and 24 silver inlays; converted by re-breeching. Marked "D* SHISLER," in script, on barrel. Lock marked externally "T. KETLAND & CO.," and inside "K W & A," (Ketland, Walker & Adams, listed in Birmingham, England, Directory in 1818).
- SHOENEN, Daniel**—Wyomissing Creek, Berks Co., Pa., rifle barrel welder.
- SHOLF, I.**—Unidentified. Flintlock Kentucky rifle.
- SHOLL, John**—Unlocated. Percussion Kentucky rifle.
- SHORER, John**—Liverpool, Pa., about 1850-60.
- SHORT, BISCOE & CO.**—Tyler, Texas, Confederate Contractors of Nov. 5, 1862, for 5,000 Model 1841, Mississippi type rifles. The firm consisted of J. C. Short, a practical gunsmith, Wm. L. N. Biscoe and George Yarborough. A site on the outskirts of Tyler, Texas, was purchased and a factory erected which was destroyed at the end of the war. It had been turned over to the Confederate States in 1863, and was in charge of Lieut. Col. G. H. Hill, and the rifles sometimes marked "HILL RIFLE TYLER C. S."
- SHREYER, G.**—Flintlock Kentucky rifle. See also Schreyer, George. (Same?)
- SHRINER**—Unlocated. Percussion Kentucky rifle.

- SHRIVER, Jno**—Hanover, Pa. Shop still stands. Name on barrel of handsome, relief carved flintlock rifle also marked "ADAMS COUNTY PENNSYLVANIA, 1801."
- SHOUGH, Jacob**—U. S. Inspector of Muskets 1809. Refused to accept blades of sabers made on contract of June 8, 1810, with James Winner of Phila., for 500 horsemen's swords. Relieved from duty in 1811.
- SHOWALTER, J.**—Brookville, Pa. Over-under percussion rifle.
- SHRECKENGOST, Wm.**—(Or Schreckengost). Putneyville, Pa. Half stock, percussion rifle with very small butt plate and pronounced crescent drop to stock, finely engraved brass and German silver furniture, openwork patchbox with oval lid, artificially striped stock; with lock marked "RIDDLE." Father of L. G. Shrecken-gost. Learned the trade under Alonzo Bonnett. Name cut in rough script on barrel.
- SHRECKENGOST, L. G.**—(Or Schreckengost). Putneyville, Pa.; son of Wm. Shreckengost. A rifle similar to his father's, but with natural grain stock and plain furniture; J. Golcher lock. Name cut in rough script on barrel. Both made distinctive arms of fine workmanship.
- SHUE AIR RIFLE CO.**—Milwaukee, Wis. In 1914 made inexpensive, spring-operated air guns.
- SHULER, John**—Also Schuler. Liverpool, Pa., about 1808-15. Maker of flintlock pistols and Kentucky rifles. Contracted with Tench Coxe, Purveyor of Public Supplies on June 4, 1808, for 150 pair of pistols.
- SHULER, John R.**—Also Shuler, John. Liverpool, Pa., about 1850-1860. Maker of over-under, swivel-breech, muzzle-loading, percussion double rifle with double-set triggers. Also brass trim, striped maple half stock, over-under, revolving barrel, percussion rifle-shotgun.
- SHULER, S.**—Liverpool, Perry Co., Pa. About 1820. Percussion, over-under, rotating, double Kentucky style rifle, top flat marked "S SHULER TWIST" and "LIVERPOOL, PA.," in separate lines. James Golcher lock.
- SHULER, V.**—Tuscarawas or Carroll Co., Ohio. Rifles and laminated double-barrel shotguns.
- SHULTZ, H.**—Pennsylvania. Kentucky rifles.
- SIBERT, G.**—Pennsylvania. Kentucky rifles.
- SIDES, Henry**—Bedford Township, Bedford Co., Pa., about 1776.
- SIEBERT, Charles M.**—Columbus, Ohio, active 1851-1915. He was born at Columbus, Sept. 25, 1839, and entered his brother Christian's shop as an apprentice at the age of 12. Known for well made duelling pistols. Died at Columbus in 1915.
- SIEBERT, Christian**—Elder brother of Charles M. Siebert above. Born Nov. 9, 1822, at Frankfort, Germany, whence his family sailed for U. S., in October, 1832, and settled in Columbus, Ohio. Christian Siebert set up his rifle-making establishment at 253 South High Street, in 1851, where he remained until 1872, when he moved to 217 South High. Died Sept. 18, 1886.
- SIEBERT, Henry L.**—279 Main St., Cincinnati, Ohio, before and after 1852-58. Was associated with John Griffiths as Griffiths & Siebert from 1852 to 1854.

- SIEBERT, J.**—Unlocated. Percussion Kentucky rifle.
- SIEBERT'S REPEATING RIFLE**—On March 11, 1861, Colonel James H. Burton, C. S. Army made an estimate for machinery, tools, etc. for making 3,000 Sibert's patent repeating rifles per annum, prepared at request of Col. McCue of Staunton, Va., and amounting to \$41,405.
- SIEGFRIED, D. B.**—Unlocated. Kentucky rifles.
- SIEGFRIED, S.**—Half stock, late percussion Kentucky rifle with back-action lock marked with initials "G.R." and "S. SIEGFRIED."
- SIEGLING, W. C.**—Columbus Avenue, Sandusky, Ohio, 1866-69. Maker of rifles and double-barrel shotguns.
- SIEVER, Charles**—St. Louis, Mo. Lockmaker for Hawken firm; still living in 1890's.
- SIFE, C.**—Early Pennsylvania maker of flintlock Kentucky rifles. Possibly a misreading for C. Sipel or Siple, Philadelphia region about 1750?
- SIGLER, Amos**—Gunsmith. Irish Lane, Phila., Pa., 1819.
- SILL, A. V.**—Operated a gun factory on Main Street, Buffalo, N. Y., 1828-35.
- SILVIS, Jacob**—Delmont, Pa., gunsmith. Born in 1801 near Bushy Run Battlefield (near Jeanette, Pa.). In addition to gunsmithing, farmed and did blacksmithing, his father's trade. Forged his own barrels and made flint locks and other fittings. Later, in the percussion period, bought barrel blanks and other supplies from James H. Johnston. Made guns in his Delmont house before his shop was built. Signed his arms "J.S." Died in 1891.
- SIMPSON, J.**—New Britain, Conn. Percussion under-hammer pistols.
- SIMPSON, R. J.**—New York, N. Y. Percussion derringers.
- SIMS-DUDLEY**—"Dynamite Gun"—Pat. July 23, 1889.
- SIPE, C.**—Unlocated. Script marking on maple stripe, fullstock, flintlock Kentucky rifle. Probably C. Sipel.
- SIPEL, Conrad**—Also Siple or Seipel. Philadelphia region, about 1750. See Siple, C.
- SIPLE, C.**—Probably Conrad Siple, also Seipel or Sipel. Philadelphia region about 1750. Flintlock Kentucky rifle with lock by Drepert.
- SITES, J.**—Boonville, Mo. Full length maple stock percussion rifle of small caliber. Brass or bronze furniture. Marked on barrel "J. SITES BOONVILLE MO."
- SITES, J. P.**—Settled at Arrow Rock, Mo., in 1844. Percussion Kentucky squirrel rifle, brass-mounted plain walnut fullstock without patchbox. Name stamped on barrel. Probably related to J. Sites of Boonville, Mo.
- SITES, W.**—Unlocated. Flintlock Kentucky rifle marked "W * SITES" on barrel, "Warranted" on lock. Probably related to J. P. Sites of Arrow rock and J. Sites of Boonville, Mo.
- SIZER, A. S.**—Unidentified. Maker of high grade percussion rifles. A revolving cylinder percussion rifle also known by this maker.
- S. L.**—Unidentified. Marking in script on Penna. made Kentucky rifle.
- SLACK & SON**—Peter Slack and son, A. J., 61 East Main St., Springfield, Ohio. The firm was established by Peter Slack in 1859, under his name, and was changed to Slack & Son in 1874, when the son was taken into partnership. Active until 1891 and after.

- SLARET**—Chillicothe, Ohio.
- SLAYMAN, G.**—Late flintlock period, about 1800-1830, Kentucky rifle.
- SLAZMAN & SON, Charles**—Punxutawney, Pa. Percussion Kentucky rifles.
- SLITERMAN, Jeremiah**—Musket maker and armorer to Colony of Georgia, 1766-68.
- SLOAN, Robert**—Connecticut. Repaired arms for the Committee of Safety. Account submitted for work from May to August, 1775.
- SLOAT'S RIFLE FACTORY**—Richmond, Va., 1861. Confederate shoulder arms.
- SLOCOMB, Harding**—Worcester, Mass., 1820 and later. Flintlock rifles, pistols and fowling pieces.
- SLOCUMB, Samuel D.**—New Orleans, La. Kentucky rifles.
- SLOCUMB, Wm. B. & Co.**—New Orleans, La.
- SLONAKER, G.**—Probably near New Paris, Bedford County, Pa. A heavy, percussion Kentucky rifle. Said to have made over-under rifles.
- SLOTTER & CO.**—Philadelphia, Pa. Percussion derringers; heavy, false muzzle percussion match rifle.
- SLOTTERBAK & CO.**—Philadelphia, Pa. Halfstock percussion rifle.
- SLOTTERBECK, Charles**—San Francisco, Cal. Late percussion and cartridge arms.
- SLOTTERBECK, H.**—Los Angeles, Cal. Cartridge arms.
- SLOWCOMB, H.**—Homer, N. Y., before and after 1853.
- S. M.**—Marking on a pair of flintlock Kentucky type pistols carried by Col. Nathan Dennison at Battle of Wyoming, Pa., July 3, 1778.
- SMALL, John**—New Lisbon (now Lisbon), Columbiana Co., Ohio, gunmaker established in 1806. Succeeded by his son David.
- SMALL, David**—New Lisbon, Ohio, gunmaker. Son of John Small.
- SMALL, Samuel**—New Lisbon, Ohio. Son of David Small. Member of the third generation of Small family of gunsmiths. Reported still active in the trade in 1879, in the "History of Columbiana County."
- SMART, Eugene**—Dover, N. H., about 1865-90. Breech-loading rifle.
- SMITH**—See Sowers & Smith.
- SMITH**—Chatham Street, New York, N. Y. Percussion period.
- SMITH, Anthony**—Bethlehem Township, Pa., before 1783.
- SMITH, A. B.**—Pennsylvania. Heavy 2-groove flintlock Kentucky rifle with cherry fullstock.
- SMITH, Adam**—Cincinnati, Ohio, in early days of settlement. Hand-some, unsigned flintlock Kentucky rifles. Relief-carved rifle, period 1760, deep-rifled for buckskin patches.
- SMITH, Argulus (or Anglus?)**—Buffalo, N. Y. Percussion rifles.
- SMITH, B. M.**—Of William Edgar & B. M. Smith, Mineral Point, Wis. Marking on a percussion "duckfoot" revolver firing three shots at a time.
- SMITH, Charles W.**—Cherry Creek, N. Y. Originally from Silver Creek, N. Y., moved to Cherry Creek in 1832. Maker of percussion rifles.
- SMITH, Dexter**—Springfield, Mass., about 1872. Breech-loading shot-gun.

- SMITH, E.**—Cape, Jefferson Co., Ala. Died in 1900. Percussion Kentucky rifles.
- SMITH, George**—New York, N. Y. Early air rifle.
- SMITH, Geo. & Co.**—New York, N. Y., 1864. 3-shot trap pistol.
- SMITH, Gilbert**—Unlocated. About 1830-35.
- SMITH, Horace**—Springfield, Mass. See Smith & Wesson.
- SMITH & HYSLOP**—New York, N. Y. Maker of flintlock holster pistols.
- SMITH, Ira W.**—Onaquaga, N. Y. Born 1825; died 1897.
- SMITH, Jeremiah**—Lime Rock, R. I., 1770.
- SMITH, J. F.**—Huntingdon, Pa., late flintlock period.
- SMITH, John**—Rutland, Vt., musket maker 1798-1801. In association with Darius Chipman, Royal Crafts and Thomas Hooker, contracted under Act of July 5, 1798, for 1,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 575 were delivered before June 10, 1801.
- SMITH, John**—Hessville, Black Swamp, Ohio, 1868-69.
- SMITH, John**—Exeter, N. H. Percussion period.
- SMITH, John 2d**—Millroy and Reedsville, Pa. Kentucky rifles.
- SMITH, John**—Sacramento, Calif., 1860-1875. Fine percussion rifles with Remington barrels.
- SMITH, Johnston**—Pennsylvania musket and rifle maker. In association with John Young of Northampton County, Pa., contracted in February, 1776, to furnish arms to the State of Virginia.
- SMITH, J. & P.**—Saltillo, Pa.
- SMITH, L.**—Unlocated. Patent breech percussion shotgun.
- SMITH, L. C.**—Syracuse and Fulton, N. Y. Modern.
- SMITH, Levi**—Church Street, Clyde, Ohio, 1866-69.
- SMITH, Lewis**—Tiffin, Ohio, 1858-59.
- SMITH, M.**—Pennsylvania. Flintlock Kentucky rifle.
- SMITH, M.**—Unlocated. Under-hammer percussion pistol, curly maple stock.
- SMITH, Major & Son**—Westville, New Haven, Conn., 1866-68.
- SMITH, Martin**—Greenfield, Mass. Listed as gun maker in 1827, 1829, and 1836, when his shop was sold. Was commissioned paymaster 2nd Regiment, 2nd Brigade, 4th Division of Massachusetts Militia in 1823. Discharged in 1830. Maker of a full cherry stock, Kentucky type, flintlock rifle of fine workmanship. The octagon barrel is marked on left side near breech "M. SMITH GREEN-FIELD, MASS." in two lines. The English, gooseneck hammer lock is marked "R. NORRIS."
- SMITH, Obadiah**—Brunswick County, Va., 1810.
- SMITH, Otis A.**—Rock Falls, Conn., about 1873-84. Maker of Smith revolvers under patent of April 15, 1873, No. 137,968.
- SMITH, Patrick**—189 Main St., Buffalo, N. Y., 1835-70. Percussion cadet rifles. Revolving pill-lock rifle.
- SMITH & PECARE**—New York, N. Y., 1851.
- SMITH, P.**—Unlocated. Script marking of a handsome, well-made, swivel-breech, superposed barrels, flintlock rifle, circa 1830.
- SMITH, Pete**—Huntingdon, Pa., about 1880. Fine craftsman.

SMITH, P. F.—Saltillo, Pa.

SMITH, S.—Maker of a curly maple, full stock, percussion Kentucky rifle with long, engraved patchbox, silver inlays and set trigger.

SMITH & SAVAGE—Middletown, Conn., about 1876. Makers of cartridge revolvers in the old S. North factory building.

SMITH, Seth—Council Bluffs, Iowa, 1803-1865, and possibly later. Born in New Hampshire in 1803. Family moved to Lorain, Ohio, in his childhood. Came to Council Bluffs, in 1852, and in 1853 "took up" land and built the first house in Grant Township, Monona Co., Iowa. Was local blacksmith and gunsmith, using his natural mechanical bent. Did much work for the Indians who hunted in the Sioux Valley. Had been appointed government blacksmith on the Omaha Indian Reservation 1858-62. Made percussion rifles and shotguns. Rifle reported marked "SETH SMITH SMITHLAND" on barrel.

SMITH, Stoeffel—Pennsylvania, about 1790-1800. Marked his name on barrels in silver inlay.

SMITH, Thomas—North Carolina arms maker. Authorized March 4, 1777, by the State to repair arms of the Continental troops raised in the state.

SMITH, Thomas—118 Broad St., New York, N. Y., 1801.

SMITH, W. H.—New York. Marking on a percussion pistol. Possibly dealer only.

SMITH, William—Elizabethtown, Ky. Percussion rifles.

SMITH, W. W.—Saltillo, Pa.

SMITH & WESSON—The arms manufacturing firm of Smith & Wesson of Springfield, Mass., had its origin in the partnership of Horace Smith with Daniel B. Wesson, the younger brother of Edwin Wesson, co-inventor of the Wesson & Leavitt revolver. Courtland Palmer, who had the rights to the Jennings mechanism, was also an associate in the firm. The association of Smith and Wesson had begun while both were in the employ of Allen, Brown & Luther, rifle makers of Worcester, Mass., in 1852.

Smith & Wesson began with the manufacture of a magazine firearm based on the Horace Smith patent of Aug. 23, 1851, No. 8,317, with improvements which they bought from B. Tyler Henry, and incorporated in a repeating pistol, patented under the Smith & Wesson name on Feb. 14, 1854, No. 10,535. In order to attract working capital to the firm, the Volcanic Repeating Arms Company was incorporated in July, 1855, to which Smith & Wesson turned over their patent of 1851, as well as new patent of Aug. 8, 1854, No. 11,496, for an improved cartridge.

Shortly after the incorporation, Horace Smith withdrew from the firm and went to Springfield, Mass., where he engaged in gunsmith trade with his brother-in-law, Collins. Wesson remained with the Volcanic.

Among the larger stockholders of the Volcanic Company was Oliver F. Winchester, a shirt manufacturer of New Haven, Conn. Doubtless under his influence, the Volcanic Repeating Arms Company moved from Norwich to New Haven in February, 1856. On the 11th of the same month Daniel B. Wesson resigned from the firm to devote his time to the development of a cartridge revolver.

His experiments were successful. On Nov. 17, 1856, Wesson bought from Rollin White the exclusive right to the White

patent of a "cylinder bored end to end." After looking about unsuccessfully for a building in which to manufacture the arm in New Haven, about May 1, 1857, Wesson rejoined his former partner, Horace Smith in Springfield, where they leased a building on Market Street, and started the production of parts. By October of 1857, they were ready to put their arms on the market, upon the expiration of the Colt patents in the fall of 1856.

The first Smith & Wesson revolver was a small, caliber .22 arm, using a metallic shell cartridge. With the development of better methods of production and annealing of copper shells, resulting in greater tensile strengths, and solving problems arising from lack of outside support in the early revolver cartridges, Smith & Wesson brought out larger calibers, resulting later, through improvements in the actions as well, in such famous arms as the American, Schofield, and lastly the famous side-swing model of 1917, 153,311 of which were purchased by the U. S. government between April 6, 1917, and December, 1918, for the use of the American armed forces during the World War.

It is interesting to note that in the early days of the cartridge revolvers, through their control of the Rollin White patent for a "cylinder bored end to end," Smith & Wesson had a virtual monopoly of the manufacture of cartridge revolving arms, and until 1869, when the Rolling White patent expired, the firm successfully prevented competitive manufacture of cartridge revolvers which infringed on their patents, by promise of infringement suits and actual court action, which in a number of instances resulted in the confiscation of the competitors' stock of manufactured arms.

SMUTS—Piqua, Miami Co., Ohio.

SMYTH, Thomas—Chester Town, Md. Notified the Council of Safety on July 2, 1776, that he had 50 guns ready to be proved.

SNEIDER—Of Clark & Sneider, 214 Pratt St., Baltimore, Md. 1876-84. Inventor and maker of Sneider rotating bolt shotguns. Had worked in Europe. As early as 1846 had choke-bored large bore wildfowl guns "the guns being so choked that a cut wad could not be used."

SNEIDER—Lancaster, Pa., before 1775.

SNEIDER, Anthony—Lancaster, Pa.

SNEIDER, Chas.—Boonville, Ind., 1875.

SNEIDER, Charles A.—Baltimore, Md. About 1862. 14-shot brass frame .22 revolver with two 7-shot cylinders on same shaft.

SNEIDER, T.—Unlocated.

SNELL, Chauncey—Auburn, N. Y., about 1830-60. Son of Elijah Snell.

SNELL, Elijah—Auburn, N. Y. Active about 1820, until his death in 1834.

SNEVELY, Jacob (also Sneveley, Snevley)—Harrisburg, Pa., in 1817. A flintlock Kentucky rifle, .53 calibre, 8-groove.

SNIVELY, William—Flint's Mills, Washington Co., Ohio. 1854-65.

SNOW & COE—New Haven, Conn. Makers of "Kalamazoo" air pistols under Hawley patent of 1869.

S. N. & W. T. C.—See Norris, S. & W. T. Clement.

- SNYDER, Adam, George, Henry, John**—Providence Township, Lancaster Co., Pa., representing several generations of gunsmiths.
- SNYDER, Ira**—Woodward, Union Co., Pa., percussion period.
- SNYDER, Ira E.**—Unlocated. Percussion over-under Kentucky rifle. May be same as Ira Snyder, above.
- SNYDER, I. or J.**—Unlocated. Superbly ornamented percussion Kentucky rifle with German silver inlays of Lion & Union Jack facing Eagle & Stars and Stripes; name in script on lock and barrel.
- SNYDER, Jacon**—Liberty Township, Bedford Co., 1860. Possibly the same as I. or J. Snyder above. I. and J. were used interchangeably.
- SNYDER, Tobias**—Liberty Township, Bedford Co., Pa., 1857.
- SOLEIL, Francis**—New Amsterdam, 1656.
- SOMERS, H.**—Barnett, Vt. Heavy barrel, double-set trigger, German silver trim, percussion match rifle.
- SOPER, Loren**—Theresa, N. Y. Percussion rifles.
- SOPER & LYONS**—Sioux City, Iowa. Half stock, .44 caliber, percussion, plains rifle.
- SOPER, P.**—Unlocated. Percussion rifles.
- SOREY, E. N.**—Danville, Va., 1862. Engaged in arms repair for the Confederacy.
- SOUBIE, Armand**—New Orleans, La., gunsmith and arms importer listed in Michel's New Orleans Annual and Commercial Register at 24 Toulouse Street, in the 1834 issue published in December 1833. Listed in the City Directory from 1835 to 1861. Located at 160 Chartres in 1853. Returned to France during the Civil War.
- SOUTHERLAND, C.**—Geneva, N. Y. Percussion holster pistol with "Golcher" lock.
- SOUTHGATE, R.**—Madison, Tenn. Modern authentic reproductions, restorations, and repair.
- SOWERS**—Philadelphia, Pa. Flintlock Kentucky rifle (lock only?). A percussion lock marked "SOWERS" on a Wm. Bodenheimer rifle is reported.
- SOWERS & SMITH**—Philadelphia, Pa. Percussion lock marked "SOWERS & SMITH," on a full maple stock rifle by Diesinger, Philadelphia.
- S. P.**—State of New Jersey marking for "State Property."
- SPANG & WALLACE**—Philadelphia, Pa. Makers of full maple stock, ornate brass trim, flintlock and percussion Kentucky rifles.
- SPANGLE, P.**—Unlocated. Halfstock, double-set trigger, percussion hunting rifle.
- SPANGLER, G.**—"LIVERPOOL." Marking on barrel of fine, circa 1830, Kentucky rifle of northern Penna. style.
- SPANGLER, George**—Monroe, Wis., 1846-1914. Percussion shotguns, target rifles, and single and double barrel hunting rifles including the over-under type. Dealer only after about 1870. Son of Samuel Spangler.
- SPANGLER, Samuel**—Located in Somerset County, Pennsylvania, before 1846. Made flintlock Kentucky rifles in Pennsylvania. In 1844 left the state with wife and son, George, and moved to

- Wisconsin, settling in Monroe in 1846. Probably died before 1856. Flintlock rifle with brass sideplate engraved "STOYSTOWN 1830." Stoystown is in Somerset County, Pa.
- SPARKS, Thomas**—Shot manufacturer. 476 South Front, Phila., Pa., 1819.
- SPARLING, Lewis D.**—Pennsylvania and New York. Learned under the Lemans at Lancaster, Pa.; migrated to Fallsburg, N. Y., where he made flintlock rifles until the Civil War. Son Leslie M. Sparling was working in Montour Co., Pa., in 1930.
- SPAULDING, Abel**—North Buckfield, Me. Percussion rifles.
- SPAULDING**—Hartland, Vt. Percussion period. Same as Abel Spaulding?
- SPEAR, L.**—Unlocated. Percussion Kentucky rifles and rifled pocket pistols.
- SPECHT, A.**—Unlocated. Kentucky rifles.
- SPECHT, Eley**—(Also Elias Spect) Beavertown, Snyder Co., Pa. Late percussion period; over-under rifle-shotguns.
- SPECHT, M.**—Unlocated. Percussion, swivel-breech percussion rifles.
- SPECT, Adam (or Specht)**—Beavertown, Snyder Co., Pa. Kentucky rifles.
- SPECT, Moah**—Bellville, Pa. Probably same as M. Specht, maker of swivel-breech, over-under percussion rifles.
- SPEED, Robert**—Boston, Mass., 1820-40.
- SPELTER, John**—Joliet, Ill., in 1889. Born 1853; gunsmith and Schuetzen match shooter.
- SPENCE, P. I.**—Marietta, Ohio. Recent percussion rifles.
- SPENCER, A. F.**—Winsted, Conn. Percussion target rifle.
- SPENCER ARMS CO.**—Windsor, Conn., about 1885-93. Makers of repeating shotguns of all grades under Spencer patent of Feb. 26, 1885. The shotgun mechanism was the joint invention of Christopher M. Spencer, of Spencer repeating carbine fame, and of Sylvester M. Roper. In 1902, the Company was controlled by Francis Bannerman and his associates.
- SPENCER, Dwight**—West Hartford, Conn., 1868. Percussion telescope target rifle.
- SPENCER, Dwight W.**—Hartford, Conn., about 1860.
- SPENCER, J.**—Unlocated. Half stock, brass mounted, percussion rifle with lock by Joseph Griffith, Louisville, Ky.
- SPENCER REPEATING-RIFLE CO.**—Chickering Building, Tremont St., Boston, Mass., about 1861-69. Makers of 7-shot, tube magazine, cartridge carbines and rifles based on the Christopher M. Spencer patent of March 6, 1860, No. 27,393. During the Civil War and up to Jan. 1, 1866, 12,471 Spencer rifles and 64,685 carbines were procured by the Ordnance Department. In addition 30,496 Spencer carbines were obtained from the Burnside Rifle Co. Spencer arms were also purchased with private funds to equip state troops.
- The Company went out of business Sept. 12, 1869, when the plant was sold at auction and was absorbed by the Winchester Repeating Arms Co.
- SPEERL, H.**—Or Speerl, Susquehanna Depot, Pa. Percussion Sporting rifles.

- SPICKER, G. & F.**—Cincinnati, Ohio. Double percussion shotgun.
- SPIES, A. W.**—New York, N. Y., 1820-1851. Died 1860. Maker of six-shot, percussion, pepperbox pistols, and octagonal barrel, keyed half stock target rifle with double set triggers and engraved lock marked "A. W. SPIES WARENTED."
- SPIES, KISSAN & CO.**—New York, N. Y., 1873-76.
- SPILLER & BURR**—Edward N. Spiller and David J. Burr, Atlanta, Ga., June 12, 1862 to February 1864, when the firm moved to Macon, Ga. Makers of .36 caliber, Confederate revolvers on the Whitney Navy Model, but with brass frame. These were usually marked on the barrel, "SPILLER & BURR," bore a serial number and sometimes "CS" on the right side of the frame. Due to lagging deliveries after initial production of some six hundred revolvers, the firm was bought out by the Confederate Government February 7th, 1864, and the firms name omitted on arms made under government ownership, only the continued serial number and "CS" being retained on the next six or seven hundred made prior to the end of the Civil War.
- SPITZER**—Father and son, musket makers to Virginia Committee of Safety 1775-76. Location unknown during the War of Revolution, but subsequently, the son moved to Newmarket, Va., where he was active until 1825.
- SPITZER, W.**—Reported maker of heavy, Kentucky type, flintlock match rifle.
- SPORLEDER, Louis**—Walsenburgh, Col., 1867-75.
- SPRAGUE**—Louden, Ohio, before and after 1846. P. A. Reinhard had been apprenticed to Sprague.
- SPRAGUE & LATHROP**—Stevens Point, Wis. Percussion period. Double Barrel side-by-side, high grade hunting rifle.
- SPRAGUE & MARSTON**—New York, N. Y. Makers of 6-shot percussion pepperbox and single-shot pistols of the same construction as the Marston & Knox.
- SPRATLEY, W. C.**—Norfolk, Vt. Flintlock fowling piece.
- SPRINGFIELD ARMORY**—Springfield, Mass., 1795 to date. U. S. Government manufactory of arms which developed gradually out of an arsenal and powder magazine established on Washington's approval in 1777. Begun at first as a depot for the manufacture of musket cartridges and gun carriages, the depot soon broadened its activities to the repair of small arms and the preparation and supply of munitions of war and ordnance of all kinds to the Continental armies. When in 1792, Congress authorized the establishment of two national arsenals, and on April 12, 1794, directed the construction of two Federal armories, President Washington combined the storage and manufacturing authorizations, and selected for the combined purposes, Springfield in the North, and Harpers Ferry in the South. The manufacture of arms at the Springfield Armory began in 1795, in which year 245 muskets were laboriously produced, mostly by hand. Production facilities were rapidly increased, until by 1825, the armory reached an annual output of 15,000 muskets. In addition to muskets and pattern arms, as well as 250 rifles recorded in 1819, the armory produced 1,000 horse pistols in 1818, and 4,021 pistol-carbines in 1856-57.

Subsequently, under the able management of the U. S.

Ordnance Department, the Springfield Armory maintained a splendid record of service in all national emergencies. It reached its peak production of small arms in October, 1918, with a daily output of well over one thousand Model 1903 (Springfield) rifles.

SPRINGFIELD ARMS CO.—Springfield, Mass., 1850-69. Operated by James Warner as an arms manufactory, and later under his own name. Made Jacquith percussion revolvers under patent of July 12, 1838, No. 832, and James Warner patent percussion revolvers under patents of Jan. 7, 1851, No. 7,894 and July 15, 1851, No. 8,229. Cartridge revolvers made by the firm about 1863, infringed on the Smith & Wesson controlled patents, and 1,513 were turned over to S. & W. in 1863. See Warner, James.

SPRINGFIELD MANUFACTURING CO.—Ludlow, Mass. Sub-contractor to Springfield Armory for musket barrels in early 1800's.

SQUIRE & ROGERS—Unidentified. Makers of flintlock Kentucky rifles.

S. R. F.—Unidentified. Waynesboro, Pa. Kentucky rifle.

S. S.—Unidentified. Flintlock Kentucky rifles.

STACY & ANGEL—Knoxville, Tenn. Advertised in 1871 as "manufacturers of rifles," and "rifles made to order."

STAEGE, William—Omro, Wis. Modern. Mostly maker of rifle barrels for target rifles, but has made several .22 caliber bolt action rifles of his own design.

STAFFORD—Unlocated, possibly British. Front-action percussion lock on Kentucky smooth rifle by Waggoner, Schenectady, N. Y.

STAFFORD, T. J.—New Haven, Conn., 1860-61. Maker of small gold-plated, pearl handled "Lady's Pistols." Stafford was a printer at 88 State Street, in 1854. After a brief fling at arms-making, he went back to printing business in 1865-66. He is listed as a cartridge maker in 1877.

STAHL, C.—Lancaster, Pa., 1810-20. Flintlock Kentucky rifles.

STAHL, C. T.—Pennsylvania. Curly maple, half stock, brass mounted, flintlock, 8-groove rifle with 30 inlays and German silver patch-box. Same as Stahl, C.?

STALTER, William—Logan, Ohio. Percussion sporting rifles.

STAMM, P. H.—Maker of a brass trim, half stock, percussion, Kentucky type rifle with double set triggers.

STANBER—Houstontown, Pa., 1850.

STANDARD ARM CO.—Wilmington, Del. Modern Makers of gas operated automatic rifles and slide-action repeating rifles.

STANDARD TOOL CO.—Unlocated. Makers of a .22 cal. revolver.

STANNARD, F. P. GUN CO.—Milwaukee, Wis., gunmakers located at 414 E. Water, in 1891 and at 13 Grand Ave., in 1893.

STAPLETON, James—Todd, Huntingdon Co., Pa. Late percussion period over-under rifles and fancy percussion Kentucky rifles. Fine craftsman.

STAPLETON, Joseph—Orbisonia, Huntingdon Co., Pa. Skilled maker of Kentucky rifles. (Related to or same as Stapleton, James?)

STARR—Lancaster, Pa., about 1750-1760. Flintlock Kentucky rifle with carved high-comb fullstock and slender wrist.

STARR—Lancaster, Pa., before and after 1800.

STARR ARMS CO.—Store and office 267 Broadway, New York and

plants at Yonkers, Binghamton and Morrisania, N. Y., about 1858-67. Makers of revolvers under the Eben T. Starr patent of Jan. 15, 1856, No. 14,118. There were 5,000 Starr revolving pistols contracted for by the government Nov. 24, 1858, and a total of 47,952 Starr revolvers of all types purchased during the Civil War. The firm also made single-shot and 4-shot Derringer pistols.

The firm also made Starr breech-loading percussion carbines patented Sept. 14, 1858, No. 21,523, of which 20,601 were delivered during the Civil War. An additional 5,001 Starr rim-fire cartridge carbines were purchased in 1865.

The Starr plant located in Binghamton, was later sold to "Jones of Binghamton—He Pays the Freight," who made scales for many years. He was Gen. Edward F. Jones, who commanded the Massachusetts regiment that was fired on while marching through Baltimore, early in the Civil War. The Binghamton street leading to the former location of the plant, is still called Starr Avenue. The site is now occupied by the Daniel S. Dickinson School.

The president of the Starr Arms Co., was H. H. Wolcott, inventor of the Wolcott carbine, patented Nov. 27, 1866, No. 60,106. Probabilities are that the Wolcott carbine (specimen in the National Museum) was made in the Starr shops.

STARR, N. & SON—Middletown, Conn., active as riflemakers from about 1823 to 1845. The firm was originated as sword makers about 1798, by Nathan Starr (Sr.) who received a large government saber and sword contract. His son, Nathan, Jr., entered the firm about 1798, the name being later changed to N. Starr & Son. The Starrs contracted on Dec. 9, 1823, for 4,000 Model 1817 rifles at \$14.50 each, to be delivered at the rate of 800 per annum from July 1, 1823. Contract of Oct. 28, 1830, details unknown. March 17, 1840, the firm obtained an additional contract for 6,000 flintlock rifles at \$14.50 each, duration five years, at 12,000 per year. Nathan Starr, Jr., died at Middletown, on Aug. 31, 1852.

STATE RIFLE WORKS—Greenville, S. C., 1863-64. Operated by George W. Morse. Makers of breech-loading carbines and muskets with "inside" locks. See also Morse, George W.

STATES, S.—Pennsylvania. Kentucky rifles.

STATLER, William—Main Street, Logan, Ohio, 1868-74.

ST. CLAIR, S. H.—Pennsylvania. Early maker of a very fine flintlock Kentucky rifle. About 1800 or earlier. Lock by Southerland (Revolutionary period British lock maker), but may be a replacement.

STEADMAN, F.—Unlocated. Percussion rifles.

STEADMAN, J.—Lock marking of an over-under, combination, percussion rifle-shotgun.

STEDMOND & SON—Lancaster, Pa. No details.

STEEL, Archibald—Military Storekeeper. U. S. Arsenal, Phila., Pa. 1819.

STEEL, John—The family of John Steel and two sons, gunsmiths all, active from about 1771-87. All had been appointed Armorers to the Colony of Massachusetts Bay, July 7, 1775.

STEELE & LATHROP—Albany, N. Y., about 1860. Makers of percussion pistols.

- STEELE, WARREN & CO.**—Albany, N. Y. A percussion Kentucky rifle lock. See Warren & Steele.
- STEIN, Mathias**—(Or Mathew) Milwaukee, Wis. Came to Milwaukee from Detroit in 1837. Located at 25 Market Square until 1865, after that at 460 Market Square. Percussion hunting and target rifles.
- STEINMAN**—"LANCASTER." Marking on a flint lockplate of a Penna. rifle signed "A. GUMPH" on barrel.
- STEINMAN, Frederick**—31 Green Street, Philadelphia, Pa., at 31 Green in 1825-33, and on Elizabeth Street in 1835-36. (Son of John Steinman?)
- STEINMAN, John**—Philadelphia, Pa., gunsmith listed at 442 North 3rd Street in 1810-11, then at 17 Green Street in 1818-19, 51 Green in 1820-22, 59 Green in 1825, 31 Green in 1828 and 22 Green 1829-36. Moved to Germantown Road about Fifth in 1842 and is last shown at Clymer above Mud Lane in 1845.
Steinman is believed to have been a member of the firm Winner, Nippes & Co., musket contractors for Model 1808 arms, whose lock-plates were marked "W. N. & S."
- STENGEL**—Lancaster, Pa., 1719. Reputed to have been the first German immigrant (Pennsylvania Deutsch) to make the Kentucky rifle by modification of the German hunting rifle.
- STENGER, T. S.**—Waterloo, Iowa, 1866-68.
- STENZER**—Lancaster, Pa., Revolutionary War period.
- STEPHENS, Ebenezer**—Oshkosh, Wis., percussion period.
- STEREWITH**—Maryland, 1775-76. Musket maker to Committee of Safety.
- STERLING, H. G.**—Unlocated.
- STEUCK, P. E.**—Leadville, Col., 1879-81
- STEVENS, A. C.**—Hudson, N. Y. False muzzle, percussion match rifle with lock by H. T. Cooper, N. Y. Also a plains rifle, 1856, with C. Baker lock.
- STEVENS, H.**—Watertown, N. Y. Heavy, false muzzle, match rifle and superposed, percussion rifle-shotguns.
- STEVENS, J. & CO.**—Chicopee Falls, Mass. The business was established by Joshua Stevens, who was born in Chester, Hampton Co., Mass., Sept. 10, 1814. In 1837, after serving a four-year apprenticeship in a machine shop in Chester, he secured employment with C. B. Allen, arms manufacturer at Springfield. Later he worked with other firearms firms, until 1864, when with the invention of a small pocket pistol, Stevens in association with James E. Taylor and William B., established J. Stevens & Co.
In 1888 the firm was incorporated as the J. Stevens Arms & Tool Co., and after the World War became the J. Stevens Arms Co., controlled by the Savage Arms Corporation.
- STEVENS, J. ARMS & TOOL CO.**—Chicopee Falls, Mass. See J. Stevens & Co., above.
- STEVENSON, J. ARMS CO.**—Chicopee Falls, Mass. Modern. Makers of the Stevens line of rifles, pistols and shotguns. See J. Stevens & Co., above.
- STEVENS, JOHN & CO.**—Musket makers to the Commonwealth of Pennsylvania. There is recorded 160 pounds paid on account,

on April 9, 1777, and 27 muskets delivered to the state that day.

STEVENS, Thos. H.—U. S. Inspector of Contract Arms (ship's cutlasses) in 1816 at the plant of Nathan Starr.

STEWART—Bucyrus, Ohio. Rifles and revolvers.

STEWART—Lewistown, Pa. Kentucky rifles.

STEWART, John—6 Light St., Baltimore, Md., 1810.

STICKLER—Dayton, Ohio, 1837. Worked with J. Wilt. Made rifle and shotgun barrels.

STILDENBAUER, Asa—Winesburg, Holmes Co., Ohio. Half-stock percussion rifle marked "A. S." on barrel.

STILGENBAUER, A.—Unlocated. Reported maker of a fancy, silver-inlaid halfstock percussion squirrel rifle with squirrel engraved on patchbox lid. Probably misreading for Stildenbauer.

STILLMAN, AMOS & CO.—Farmington, Conn. Amos and Ethan Stillman, contractors under Act of July 5, 1798, for 500 muskets at \$13.40 per stand, of which 525 (excess of 25) were delivered by June 10, 1801.

Amos Stillman & Co., are recorded to have been paid in full a total of \$7,035, as follows: in 1799—\$978.20; in 1800—\$1,701.80 and in 1801 the balance of \$4,355.00, completing the payment for 525 stands of arms. See Ethan Stillman.

STILLMAN, Ethan—Burlington, Conn., musket maker. In association with his brother Amos of Farmington, contracted for 500 muskets under Act of July 5, 1798. Completed deliveries with 25 stands excess by June 10, 1801.

On Sept. 14, 1808, Ethan Stillman (alone) contracted for 2,200 muskets to be delivered over a period of five years. Of these 825 were delivered by Oct. 7, 1812.

Ethan Stillman was born at Westerly, R. I., in 1768. After working as a youth in the New York Iron Works at Stonington, he worked for a while as a shoemaker. In 1798 he moved to Farmington where with his brother he obtained and completed the contract of 1798, on which he cleared a profit of \$1,000. In 1803 he moved to Burlington, where he established a gunsmith shop. It was here that he undertook the 1808 contract which he apparently fulfilled after considerable difficulties with the government. Upon completion of the contract he moved to Brookfield, N. Y.

STING—Tiffin, Seneca Co., Ohio.

STINGER, Thomas—Lycoming County and Jersey Shore, Pa., about 1840.

STITZELL, Adam—Employed as musket barrel maker by Joseph Henry in 1810.

STOCKING, Alexander—Operator of Stocking & Co. Had been employee of Allen, Brown & Luther.

STOCKING & CO.—Worcester, Mass., 1849-52. Operated by Alexander Stocking. Makers of percussion single-shot and 6-shot pepperbox pistols.

STOEHR, I.—Maker of full stock, flintlock Kentucky rifles.

STOEY, Gustavus—Lancaster, Pa. Appointed and commissioned Inspector of Arms by the Governor of Pennsylvania, Jan. 7, 1806, vice Peter Getz, resigned. Stoeys was authorized on July 10, 1810,

- to receive from the widow of Peter Getz all public arms and parts left in her possession by the former inspector.
- STOKES, Enoch**—Lancaster, Pa. Two gunsmiths of same name listed at different addresses in the 1857 Directory.
- STONE, David**—Walpole, N. H., musket maker. In association with Gurdon Huntington, John Livingston and Josiah Bellow, contractor for 1,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand, contracted for under the Act of July 5, 1798. Of these 608 were delivered by June 10, 1801.
- STONER, John**—Webster, Westmoreland Co., Pa.
- STORY, Asa**—Windsor, Va., 1835.
- STOSSMEISTER, Charles**—Cincinnati, Ohio, 1857-63.
- STOUDENOUR, Jacob**—Colerain Township, Bedford Co., Pa., about 1825. Died in 1871.
- STRAUB, John**—Snyder Co., Pa. 1847-1923. Specialized in heavy target rifles. Good workmanship.
- STREETS, Charles**—Portsmouth, Scioto Co., Ohio, 1829.
- STRIECER, E. J.**—Unidentified. Flintlock Kentucky rifle.
- STRODE, John**—Culpepper County, Va. Manager of the Rappahannock Forge, or Hunter Iron Works and gun factory at Falmouth during its operation 1776-81. After the Revolutionary War, Strobe apparently retained arms manufacturing connections, as he (unsuccessfully) submitted bids for the manufacture of muskets for the State of Virginia on March 18, 1796, and Sept. 7, 1797. Was inspector of arms made by Home & Wheeler in 1801-02.
- STROHECKER, H. F.**—Charleston, S. C. Reported marking on 12 inch percussion pistol with belt hook.
- STROHECKER & EWBANK**—Late flint lock with reinforced hammer and roller frizzen-spring bearing, factory decorated. Poorly fitted to a southern Kentucky rifle.
- S. T. S.**—Mark of Samuel Todd Sherwood.
- STROHL, J.**—Fremont, Ohio, 1868-70.
- STRONG FIREARMS CO.**—New Haven, Conn., 1881-83. Breechloading shot-guns with interchangeable rifle barrels.
- STRONG, H. A.**—Unlocated. Percussion rifles.
- STROSSMEISTER, Charles**—Cincinnati, Ohio, 1857-1863.
- STROUP, O. M.**—Wellington, Ohio, 1880-83.
- STUART, Charles**—43 Washington St., Binghamton, N. Y. Ex-employee of Bartlett Bros. Made high grade rifles in his own establishment 1850-83. Also underhammer percussion pistols.
- STUBBLEFIELD, James**—Superintendent Harpers Ferry Armory, 1809-1817.
- STUDE, F.**—638 Commercial, San Francisco, Calif., 1861-62; 648 Commercial, 1863-65.
- STULL, S.**—Ohio. Well-made halfstock percussion rifle stamped with name on barrel and "S. STULL, OHIO" on lock.
- STURDIVANT, Lewis G.**—Talladega, Ala., rifle contractor to the Confederacy. The plant was on the south side of Battle Street west, three doors below S.W. Crossing of Court St., in a two story building still standing, numbered 116-118. The contract was of March 6, 1862 for 2,000 Enfield or Mississippi type rifles. About 280 rifles were delivered, some not up to standard.
- Sturdivant had been a jeweller and rented the building from

Mr. S. D. Watson for the manufacture of arms. It was then a two story shop, the lower floor used as a blacksmith and machinery shop, the upper story was the woodworking shop where the stocks were made and guns finished.

STURGIS, Julius—Lancaster, Pa., 1857.

STUTSMAN, J. G.—Dayton, Ohio. Stamping on factory-made late percussion lock on a Kentucky rifle.

SUE, W.—Pennsylvania. Percussion Kentucky rifles.

SUMNER ARMORY—Gallatin, Tenn., 1861 and later. Makers of Model 1841, Mississippi, type rifles.

SUNDERLAND—Boulton, Bethlehem District, Pa.

SUNDERLAND & BLAIR—Boulton, Bethlehem district, Pa. Kentucky rifles.

SUTER, C. & CO.—Rifle contractors to the Confederacy. Selma, Alabama. Furnished 50 Mississippi rifles (M.1841) to the State of Alabama between Oct. 1, 1863 and Nov. 1, 1864. Partner was P. Lessier.

SUTER, John J.—Bucks Co., Pa., gunsmith of (Edinburgh) Scottish ancestry. Born 1823 at Ruffsedale, Pa. Had been apprenticed to John Johnson. Made plain, long, percussion hunting rifles of large caliber, .40 to .50. No engraving, no butt plates but unusually slender and light for their caliber and length. Used peculiar enamel-like blueing. Made his own locks; barrels purchased from Brown & Hirth, Pittsburgh, Pa. Rifles marked "J.J.S." on barrel between cone and rear sight. Died 1902.

SUTER, Worthe, G.—Ruffsedale, Pa., gun maker, current period. Born near Ruffsedale, Pa., Oct. 6, 1896. As a very small boy worked as a gunsmith's helper with his grandfather, John J. Suter, until the latter's death, then with C. M. Knupp at Bakersville, Somerset Co., Pa. All phases of gun making: hunting rifles, flint or percussion, ornamental, with name and address stamped on barrel. Makes own locks, curly maple or walnut stocks, barrels, brass and silver work, set triggers and ornaments.

SUTHERLAND, Samuel—Richmond, Va. His address is given at 174 Main Street, in 1852, at 132 Main Street, in 1855, and at 1406 E. Main and 609 E. Broad in 1869. During the Civil War Sutherland operated a large plant chiefly devoted to alteration of flintlocks and reclamation of arms damaged in the Confederate service.

SUTTON—Early marking of the A. Waters arms made at Sutton, Mass., in which the Waters Armory followed the practice of the national armories in using the name of the town of manufacture rather than the name of the firm in marking early muskets.

SUTTON, John—Gunsmith. 55 Duke, Phila., Pa., 1819.

S. V. J. D.—Unidentified. Marking on late flintlock period, highly decorated Kentucky rifles.

SWAIN, John—West Virginia. Percussion Kentucky rifles.

SWAN, James—Musket contractor to the State of Virginia in 1800.

SWARTZ, Abraham—Sugar Creek, Tuscarawas Co., Ohio, 1850-1870. Also tuned organs.

SWARTCOOP—New York, N. Y., 1786-1796.

SWARTZ, Peter—York County, Pa. Did work for the State 1784-86.

- SWEET, D. & CO.**—Unidentified. Percussion period.
- SWEET, E. S.**—Kalamazoo, Mich., percussion period. Lock of single-hammer, 3-barrel percussion rifle by J. A. Lien.
- SWEET, W. A.**—Syracuse, N. Y., late percussion period. Heavy target pistol with shoulder stock.
- SWEGER, Wm.**—Unidentified. Flintlock Kentucky rifle.
- SWEITZER, A.**—Pennsylvania; Kentucky rifles. Probably same as A. Schweitzer, q. v.
- SWEITZER, J.**—Greenville, Ohio. Reputed maker of half stock percussion rifle.
- SWEET, JENKS & SONS**—Rhode Island musket makers. Contractors of Nov. 13, 1810, for 3,000 Model 1808 muskets, duration five years. Only 250 delivered by Oct. 7, 1812.
It is believed that this firm is identical with Jewett, Jenks & Sons of Rhode Island, who were reported in 1818 by Col. Decius Wadsworth of the Ordnance Office, to have been given a contract for 3,000 muskets of which 250 stands at \$13.48 per stand were delivered to the State of Rhode Island.
- SWEET, W. A.**—See William Malcolm.
- SWEGER, William**—Unlocated. Flintlock Kentucky rifle.
- SWIETZER, DANIEL & CO.**—Lancaster, Pa. Announced in 1808 the establishment of their "gun-lock factory, west of the court house, on the road to Millerstown." Model 1808 type flintlock pistols are known marked "SWEITZER & CO." believed to have been made by the same firm.
- SWIGER, W.**—Period of 1800; flintlock Kentucky rifles. Possibly same as Wm. Sweger.
- SWOPE, A.**—Pennsylvania. Percussion Kentucky rifles, one with patchbox on both sides of stock.
- SYMME, J. C.**—Watertown, Mass. Maker of Symmes breech-loading carbines, patented Nov. 16, 1858, No. 22,094. The purchase of 200 or less, Symmes carbines at \$40.00 each was authorized as early as July 18, 1855. Ordnance Department correspondence of March 4, 1857, shows that 200 were ordered April 2, 1856, and 20 were delivered at the cost of \$804.50.
- SYRACUSE ARMS CO.**—Syracuse, N. Y. Hammerless shotguns.

T

- TALCOTT, George**—Lieut. Colonel Ordnance. Acting Superintendent Springfield Armory from August 26, 1833 to October 31, 1833. Brig. General 1850.
- TALLASSEE ARMORY**—Tallassee, Ala. Confederate carbine armory ordered transferred from Richmond, Va., about June 2, 1864. Transfer completed by June 16, 1864. The operators of the armory had been in the ranks during Dahlgren's Raid, May 1, 1864.
The site and buildings to house the plant were acquired from Barnet, Micou & Co., owners of a cotton mill on the location, by Col. James H. Burton, C. A., of the Macon Armory, who left Macon May 26, 1864, and completed the negotiations May 30th. The armory repaired arms and made a carbine combining Enfield and Springfield features.
- TALLEY**—Massachusetts gunsmith active from 1768 to 1776, and

later. Appointed Master Armorer to the Colony of Massachusetts Bay June 13, 1775. Served as ensign in Col. Danielson's Regiment, where he drew extra pay as armorer.

TANNER, N. B.—Bastrop, Texas. Made at least 264 rifles of the Model 1841 type for the Confederacy.

TARPLEY, GARRETT & CO.—Jere H. Tarpley, Greensboro, N. C., 1864. Makers of the Tarpley Confederate breech-loading carbine. (Adv. in Greensboro Patriot, Jan. 14, 1864.) Tarpley obtained a Confederate patent on his arm, Feb. 14, 1863. No. 148.

Jere H. Tarpley was associated with one Yarborough in the operation of a foundry and machine shop which had been established before the Civil War, was known as the Greensboro Foundry in 1864, and the Pioneer Foundry and Machine Shop, makers of domestic and farming implements, in 1866. Probabilities are that the Tarpley carbine was made in these shops, which in 1869 became the Sergeant Manufacturing Co.

TARRINGTON—Percussion period. Under J. H. Durke at Lebanon, N. H., later at Springfield, Mass., and elsewhere.

T. A. T.—Marking on a barrel of a two-shot, single barrel, percussion, Kentucky type rifle.

TAYLOR, Alexander—Fulton Co., Penna., 1826. (Fulton Co., was a part of Bedford County prior to 1850).

TAYLOR, Argulus—Ira, N. Y.

TAYLOR, A. J. & CO.—209 Clay St., San Francisco, Calif., 1856-58.

TAYLOR, C.—Unlocated. Halfstock percussion rifle.

TAYLOR, F. C.—St. Louis, Mo. "Taylor Fur Getter," .22 cal. trap pistol patented June 9, 1914.

TAYLOR, George—Easton, Pa., before 1783. Barrel maker, lock tester, etc., under Richard Backhouse at the Durham Iron Works.

TAYLOR, Henry—First gunsmith, Jackson Tp. (Co.?), Ohio, 1817.

TAYLOR, Jno.—Pennsylvania musket maker to Committee of Safety.

Was one of the petitioners representing the gun-making trade, complaining to the Committee of Safety in November, 1776, against the high and rising cost of materials and labor entering into arms making, and quoting advances in prices within one year, since 1775.

TAYLOR, J. N.—Unlocated gunbarrel maker. Stamped on muzzle of heavy percussion match rifle.

TAYLOR, L. B. & CO.—Chicopee, Mass. Makers of a rim-fire cartridge, single-shot, sliding barrel, pocket pistol.

TAYLOR, N. B.—Vienna, Trumbull Co., Ohio, 1840.

TEAFF, Joseph—Steubenville, Jefferson Co., Ohio, 1820's.

TEAFF, James and Nimrod—Father and son. Steubenville, Ohio.

James was active from the end of the Mexican War, in which he had served, until about 1861. Nimrod had become associated with his father, James, about 1856, and was active until 1891 or later. Nimrod was "a great hunter of bear and deer."

T. B. & CO.—Philadelphia, Pa. Percussion derringers.

T. D.—What looks like "T. D." in old German script on a long flint-lock Kentucky rifle, is "C. D." The initials of Christian Dürre. The barrel is marked under breech "C. H. D."

T. D. & CO.—Unidentified. Stamped factory percussion lock on boy's Kentucky rifle.

- TEEGER, J. A.**—Curly maple, full stock, octagon barrel Kentucky rifle with ornate patch box and silver inlays.
- TEFF, George**—Rhode Island gunsmith to Committee of Safety, 1775-76.
- TELL, Frederick**—Adams Co., Pa., Frederick and Hagerstown, Md., about 1780-1820. Ornate flintlock Kentucky rifles with handmade brass lockplates, raised carving, brass and silver inlays.
- TENNESSEE ARMORY**—Location unknown. Operated in 1861 by George W. Morse for the conversion of sporting rifles to military caliber. On the arrival of Federal troops in the vicinity of Nashville, the machinery was first shipped to Atlanta, Ga., then on being turned over by the governor of Tennessee to the Governor of South Carolina, was shipped to the State Works at Greenville, S. C., where Morse carbines were made. See Morse, George W.
In an inventory taken while at Atlanta was listed a stamp "Tennessee Armory."
- TERRELL, Eph**—Tennessee. Heavy percussion match rifles.
- TERRY, B. L.**—Unlocated. .22 cal. vest pocket pistols.
- TERRY, J. C.**—Unlocated. Brass frame .22 vest pocket pistol.
- TETLEY**—See Bown & Tetley, Enterprise Gun Works, Pittsburgh, Pa.
- THAMES ARMS CO.**—Norwich, Conn. Double-action, 5-shot revolvers.
- THATCHER, H. C.**—See J. Peacock & H. C. Thatcher, Chicago, Ill.
- THAYER, Eli**—Notice given at Worcester, Mass., in 1856 of Eli Thayer's control of the manufacturing of a rifle invented by B. F. Joslyn. No record of manufacture. Thayer was born at Mendon, Mass., June 11, 1819. Taught school 1845-52. Was in State Legislature 1853-54, and was engaged in a plan to colonize Kansas for freedom, 1854-56. Founded Ceredo, W. Va. Elected to Congress in 1856.
- THAYER, O. G.**—Chardon, Ohio. Creedmoor percussion match rifles.
- THAYER, ROBERTSON & CARY**—Norwich, Conn. Pocket revolvers.
- THAYER, Thaddeus**—Norwood, N. Y. Percussion rifles.
- THENDON, John**—Unidentified. Flintlock Kentucky rifles.
- THOMAS, Benjamin**—Hingham, Mass., about 1740-50.
- THOMAS, H.**—Kingman, Ill. Active before and after 1841. Had worked in Kentucky before settling in Illinois.
- THOMAS, Milt**—Kingman, Ill. Son of Thomas, H., above.
- THOMAS, Henry**—Gunsmith with firm Hyde & Goodrich, 15 Chartres, New Orleans, La.
- THOMAS, Isaac**—Harford County, Md., musket maker to Committee of Safety. Agreed March 4, 1776, with John Cunningham, "for making a parcel of musquets which they oblige themselves to do, agreeable to directions which they have and are to receive from the Committee, as may be directed by the Council of Safety, at the price of Musquets are made for at Baltimore, to be completed with steel ramrod and bayonet . . ." A company of riflemen was raised in Harford County during the War of Revolution.
- THOMAS, J. F.**—Unlocated, 1858.
- THOMPSON, George**—Washington, Pa., 1870-80.

- THOMPSON, Harry**—Fremont, Ohio, 1878-83.
- THOMPSON, John**—Philadelphia, Pa., before and after 1800.
- THOMPSON, John**—1 Market St., Norwich, Conn., 1866.
- THOMPSON, J. R.**—Jackson, Mich. Over-under percussion rifle.
- THOMPSON, Samuel**—Columbus and Lancaster, Ohio, 1820-27.
- THREE BARREL GUN CO.**—Moundville, W. Va. Makers of shot-guns combined with rifle barrel.
- THORNTON, R. L.**—Seneca St., Seattle, Wash., 1910 and before.
- THORNTON, William A.**—Captain Ordnance Dept., U. S. Army. U. S. Inspector of Contract Arms 1842-61. Graduated U. S. Military Academy 1825. Died Brig. General 1866.
- THRESHER, A.**—Stafford, Conn. Underhammer pistols.
- T. H. S.**—Initials of Thos. H. Steves, U. S. Inspector of Contract Arms (ship's cutlasses) in 1816 at the plant of Nathan Starr.
- THURBER, Charles T.**—See Allen & Thurber, Allen & Wheelock.
- THURSTON, R. R.**—Cuba, N. Y., percussion period to about 1880.
- TIDD, Marshall**—Woburn, Mass., 1846-1890; died 1890. Light percussion rifle without forearm; round-barrel pistol with nipple on axis; both marked "M. TIDD."
- TILLMAN, J. N.**—Petersburg, Ind., 1860.
- TIMMINS, Edward**—Maryland. Contracted with Council of Safety in 1776, to furnish steel musket ramrods at 5 shillings each.
- TIMOTHY FIELDS FOUNDRY & MACHINERY CO.**—Trenton, N. J. Arms makers during the Civil War. Use barrels supplied by the Trenton Iron Co.
- TIPLE, C.**—Unlocated. Late flintlock rifle.
- TISDALE, Luther W.**—Scranton, Pa. On Pennsylvania Avenue, before 1850, on Washington after 1850. Died about 1890. Heavy percussion match rifle.
- TOBIAS, S. E.**—Xenia, Ohio. Early 20th century; percussion rifles and pistols.
- TOBEY, Elisha**—Inspector and Foreman, arms stocking shop, Springfield Armory, 1818. U. S. Inspector of Contract Arms 1818-1830. Inspected arms in plants of R. & J. D. Johnson, Simeon North, Nathan Starr and Asa Waters.
- TODD, George**—Austin, Tex., and later Montgomery, Ala. Active about 1857-65. Maker of muskets and Colt type, brass frame revolvers for the Confederacy.
- TOLEDO ARMS CO.**—Toledo, Ohio. Sheath trigger pocket revolvers and semi-automatic pocket pistols.
- TOMES, HENRY & CO.**—New York, N. Y., 1847.
- TOMLINSON**—Pennsylvania musket maker to Committee of Safety, 1775-76.
- TOMLINSON, Carter**—Unlocated. Marking on a lock of a Kentucky rifle by D. Glassbrenner. Early percussion period.
- TONKS, Joseph**—49 Union St., and 1 Marshall St., Boston, Mass., 1860-68.
- TOOKER, J. S.**—Carthage, N. Y., percussion period.
- TOPPER, H.**—Napier Township, Bedford Co., Pa., 1835. Flintlock Kentucky rifle.
- TOULSON, Alexander**—St. Mary's Md. Active in 1663. The earliest

- Maryland gunsmith on record after the landing of the Calverts in 1634.
- TOUZE, John**—Gunsmith. 101 So. Second, Phila., Pa., 1819.
- TOWN, Aspy**—Unlocated. Flintlock, Kentucky, squirrel rifle.
- TOWN, Benjamin**—Pennsylvania musket maker to the Committee of Safety. In association with John Willis, contracted on Dec. 6, 1775, to make 200 firelocks at £4-5s, each.
- TOWSEY, Thomas**—Vergennes, Vt., musket maker. In association with Samuel Chipman contracted under Act of July 5, 1798, for 1,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 275 were delivered by June 10, 1801.
Thomas Towsey settled at Vergennes in 1791.
- T. P.**—Initials of Thomas Palmer, U. S. Inspector of Arms 1808-10.
- T. P.**—Unidentified. Curly maple, full stock, percussion Kentucky rifle.
- T. R.**—Unidentified. An early percussion Kentucky rifle with hand-hammered barrel marked in script; 16 silver inlays; long patch-box with side plates shaped and engraved to represent snakes.
- TRANT, George B.**—Thornville, Ohio, 1877-80.
- TRAUDT, John**—Milwaukee, Wis. Apprentice and son-in-law of John Meunier; shop manager for 64 years until retirement in 1941. Died Oct. 19, 1945.
- TREDEGAR IRON WORKS**—Richmond, Va. Confederate cannon foundry and machine works. Made small arms making machinery.
- TREIBEL, Henry**—Lancaster, Pa., 1857.
- TRENTON ARMS CO.**—Trenton, N. J., 1863-65. Makers of rifle muskets during the Civil War.
- TRENTON IRON CO.**—Trenton, N. J. Civil War makers of rifle-musket barrels for the government and for arms contractors.
- TRIPP, S. G.**—Leidersdorff near Commercial, San Francisco, Calif., 1855-56.
- TRIPPER, A. N.**—Potsdam, N. Y. Percussion pistol.
- TROTH**—Unlocated. Early flintlock Kentucky rifle.
- TROUT, John**—Williamsport, Pa., about 1855 and after. Maker of percussion sporting rifles, and over-under, walnut half stock, percussion rifle-shotgun with lower barrel fired by an under-hammer, and single trigger firing either hammer.
- TROUTMAN, D. B.**—Londonderry Township, Bedford Co., Pa., 1858. Plain, fullstock percussion rifles of good workmanship with long or oval patchboxes. One with lock by Whitmore & Wolff, Pittsburgh.
- TROYER, William**—Lancaster, Pa., 1847.
- TRUBY, Jacob**—Kittaning, Armstrong Co., Pa. Kittaning was the chief Indian town west of the Alleghenys until Sept. 1756, when it was destroyed by Gen. Armstrong.
- TRUE & DAVIS**—Albany, N. Y. 8-ga. percussion goose gun.
- TRUETT BROS. & CO.**—Philadelphia, Pa. Makers of flintlock Kentucky rifles.
- TRUITT, BROS. & Co.**—Philadelphia, Pa. "Importers and wholesale dealers in foreign and domestic hardware." Flint and percussion rifle locks. "TRUITT BROS. & CO." stamped on .44 caliber percussion rifle barrel.
- TRUMP, J. W.**—Philadelphia, Pa. Percussion duelling pistol.

TRUITT & CO.—Located at 528 Market Street, below 6th, South Side, Phila., Pa., in 1863. Successors to Truitt Bros. & Co., above.

TRUMBULL ARMORY—Stonington, Conn., 1861. Lockplate marking off a two-band Civil War short rifle.

TRUMPLER, J. F.—Unlocated. Percussion derringer.

TRY, John—Beaver Springs, Pa. Percussion Kentucky rifles.

TRYON, George W.—Philadelphia, Pa., arms maker, founder of the firm of Tryon of that city. George W. Tryon, of French Huguenot descent, was born in 1791. In his early youth he was apprenticed to Frederick W. Goetz, (or Getz), a Philadelphia gunsmith whose partner he became in 1811 at the age of 20. The Tryon family memoir (1909), states that shortly after entering into the partnership, Tryon bought out "Getz", and continued the business in his own name at 165 North Second St., until 1829, when the plant was enlarged and re-established at 134 North Second Street, (Now No. 220). In this connection the following entries in the Philadelphia City Directories are of interest: Frederick Goetz, gunsmith is shown at Sassafras Alley in 1809-11, and at 163 North Second, and at 32 Sassafras Alley from 1813 to 1817. Geo. W. Tryon, gun maker and stocker, is listed at 165 North Second in 1816, and from 1817 to 1824 is shown at the same location as gun manufacturer and dealer.

In February, 1814, George W. Tryon, in association with John Joseph Henry, undertook to manufacture for the navy "20 repeating swivels and 200 repeating muskets" invented by Joseph G. Chambers, and described as arms which could be fired "in such a manner that by a single operation of the trigger, it will discharge several loads in succession (say 6 or 8), with a space between each sufficient to take another aim." In this connection Mr. Chambers was appointed "sailing master" and his two sons "gunners," in the navy, to superintend the manufacture of these arms and to have authority to instruct "a certain number of persons in the art of repeating gunnery." The "repeating arms" were approved by Commodore Wm. Bainbridge, and Mr. George Harrison, the Navy Agent at Philadelphia, was directed April 18, 1814, to send 15 repeating swivels, 50 muskets and 50 pistols to Com. Chauncey on the Great Lakes, in order to test their use in the active service. Harrison, the Navy Agent, had been directed in February, 1814, by the Secretary of the Navy, Wm. Jones, to contact reliable parties for the construction of 50 repeating swivels and 200 repeating muskets, and apparently in addition to the 20 contracted for by Tryon and Henry, others were constructed by other contractors, for at the request of Com. Rogers, eight of the repeating swivels were placed on the "Guerriere," launched at Philadelphia in 1814.

On Jan. 1, 1836, Edward K. Tryon, the eldest son was admitted into partnership, the firm continuing the manufacture of shotguns, pistols and especially Kentucky rifles.

On Nov. 7, 1837, Tryons contracted for 1,000 rifles for Indians at \$12.50 each, which was followed by a contract for 640 muskets at \$12.18 each on July 8, 1846, awarded to Tryon, Son & Co. Edward K. Tryon is next shown to have received contracts for Northwestern guns and arms for the Indian Department, on Dec. 11, 1846, Jan. 8, 1847, and May 15, 1847. On April 22, 1848, the Tryons obtained a contract for 5,000 Model 1841 percussion rifles at \$12.87½ each. The Tryon memoir men-

tions a contract of April 3, 1840, for 1,500 army rifles Model 1841, for the Republic of Texas.

The founder of the firm, George W. Tryon, retired from active participation in the firm's affairs in 1841, and died in 1878. The successive names of the firm were as follows:

1811—Tryon & Getz: Geo. W. Tryon.

1836—Geo. W. Tryon & Co. (General Business).

Tryon, Son & Co. (Manufacturing business).

1841—Edw. K. Tryon & Co.

1843—Edw. K. Tryon.

1859—Edw. K. Tryon & Co.

1863—Tryon & Brother.

1866—Tryon Bros. & Co.: Edw. K. Tryon, Jr. & Co.

1905—Edw. K. Tryon Co., Inc.

TRYON, MERRICK & CO.—Philadelphia, Pa. Percussion pistols.

T. S.—Unidentified. Marking on a percussion Kentucky Squirrel rifle.

T. S.—Tobias Snider, Liberty Township, Bedford County, Pa. Maker of a side-by-side, double barrel, curly maple stock, percussion Kentucky type rifle, as well as of percussion, Kentucky single barrel rifles.

TUBBS, J. B.—Waterloo, N. Y. Over-under percussion, mule-ear hammer shotguns and rifles.

TUCKER, SHERRARD & CO.—of Lancaster, Dallas Co., Texas. Entered into contract with State of Texas for 3,000 pistols on April 11, 1862, one-half being army size, and the other half navy size, at \$40.00 per pistol. The contract was cancelled and about 400 made and sold to private parties.

The firm consisted of Labon E. Tucker, J. H. Sherrard, W. L. Killen, A. W. Tucker, Pleasant Taylor, and Jno. M. Crockett, the latter acting as agent.

Though commonly known as "Tucker, Sherrod & Co.," it is believed that "Tucker, Sherrard & Co." is more nearly correct. There was no partner by the name of Sherrod in the firm. Sherrod pronounced with a Texan or Southern drawl sounds like Sherrod. Probabilities are that the error originated there.

TUCKER & TYLER—Makers of full stock, cherry wood, brass patch-box, flintlock Kentucky rifle.

TUNX, William—Colonial gunsmith returned to England by Governor William Tryon in December, 1775, with inducement of prepaid passage, 20 guineas and work in government armory.

TUPPER, A. N.—Potsdam, N. Y. Percussion rifles.

TURK, James—Morrow and Cincinnati, Ohio. Percussion rifles.

TURNBULL—New Orleans, La., 1885.

TURNER, C. B.—Grand Rapids, Mich. maker of a light weight, three barrel, combination percussion shotgun-rifle, with under hammer rifle barrel underneath the side-by-side shotgun barrels, with single trigger capable of firing all three barrels simultaneously.

TURNER, Henry—"Gunsmith, 15 Beaver St., shop 3 Beaver St., Albany, N. Y., 1820-1823. "Mary Turner, widow of Henry" listed 1825. A very fine English style flintlock double shotgun, breeches stamped "H. TURNER ALBANY," in Mahogany case.

TURNER, W.—Maker of a percussion Kentucky rifle with ornate brass patchbox in full curly maple stock.

TUSTIN, J.—Soho, Pittsburgh, Pa., 1833. A gunsmith's threading

plate marked "J. TUSTIN SOHO" (S backwards), 1833. An iron pipe-tomahawk similarly marked but undated.

TUTTS, Charles—Unlocated, 1883. 8-ga. ring trigger gun.

TVERYAR, M.—Unlocated. Percussion rifle.

TYDICH, Peter—Baltimore, Md., Revolutionary War period.

TYLER ARSENAL—Tyler, Texas. Organized in May 1862 and operated by George Yarborough, J. C. Short and W. S. Briscoe, the latter a gunsmith. Taken over by Confederate States in fall of 1863 for manufacture of rifles "after the model of the Mississippi rifle." However arms made were closer to Enfield pattern. The armory was established with machinery assembled from numerous localities, such as Little Rock, Arkadelphia, etc. The arms are marked "TEXAS RIFLE TYLER C. S."

TYLER, Daniel—Lieutenant Ordnance Dept., U. S. Army. Chief Inspector of arms made at National Armories after 1831. Had inspected musket stocks in the plant of Nathan Starr.

TYLER, DAVIDSON & CO.—Cincinnati, Ohio. Makers of percussion rifle locks.

TYLER, John—Pennsylvania gunsmith active about 1770-1780. Was located on Arch Street, Philadelphia, Pa., on April 16, 1777. On Oct. 31, 1777, John Tyler is reported as having purchased a place in Northampton (Allentown), where he employed 16 hands and expected to repair 300 stands of arms. Payments recorded for repair of public arms in 1778-79.

TYLER, N. B.—Vienna, Trumbull Co., Ohio, 1855-71. Maker of rifles and shotguns. Operator of Tyler's rifle works.

TYLER'S RIFLE WORKS—See Tyler, N. B. above.

TYLER, William—Providence, R. I. Musket maker, associated with William Rhodes in a contract under Act of July 5, 1798, for 2,000 Charleville pattern, (Model 1795) muskets at \$13.40 per stand. Of these 950 were delivered by June 10, 1801.

TYSON, J. H.—North Beaver St., York, Pa.

U

UHLINGER, W. L. & Co.—Philadelphia, Pa. Sheath trigger .22 pocket revolvers.

ULRICH, D.—Unidentified. Percussion Kentucky rifle.

ULLBRICH, A.—Albany, N. Y. Maker of a double barrel, side-by-side muzzle loading, percussion rifle.

UMBARGER, Obediah—Central Pennsylvania; Kentucky rifles, Probably related to Humberger family of Pennsylvania, later of Ohio.

UNDERWOOD, Thomas—Lafayette, Ind.

UNION ARMS CO.—Hartford, Conn. 1857-61 and later. At 2 Central Row, Hartford, 1861. Makers of percussion pepperbox and single-shot percussion pistols, and 5- and 6-shot percussion revolvers.

UNION ARMS CO.—New York, N. Y. Contracted Nov. 15, 1861, for 25,000 Springfield rifle muskets. Three delivered; these were marked "U. A. CO." and "New York."

UNION FIREARMS CO.—Toledo, Ohio, about 1904. Makers of a semi-automatic, recoil operated revolver. About 1902 the Company had negotiated with Francis Bannerman of New York City, and his associates, in control of the Spencer Arms Company of

Windsor, Conn., for the purchase of the Spencer plant for manufacture of repeating shotguns. However, the purchase did not materialize. Following from Sporting Goods Dealer, 1903:—

"In our October number we noticed the report that the Union Firearms Co., Toledo, Ohio had purchased the Spencer gun plant, which would be removed to Toledo, and the manufacture of the Spencer gun reinaugurated on a large scale. We are advised by Francis Bannerman, 579 Broadway, New York City, that the reported sale has not been made. The Spencer plant is still in his hands, and is advertised for sale elsewhere in this issue of the Sporting Goods Dealer. The merits of the Spencer repeating shot gun are too well known and generally known to require being touched upon here. It was the joint invention of Christopher M. Spencer (who at the age of 19 invented the Spencer repeating rifle and carbine, adopted and used by the U. S. Government in the civil war) and Sylvester M. Roper, also closely identified with improvements in American arms. The Spencer gun appeared in 1884 and stood the brunt of the battle against the prevailing prejudice which opposed single barrel repeating guns and favored the double barrel. For something like nine years it was the only repeating shot gun in the field, virtually creating a demand which heretofore had not existed, and establishing its reputation as a thoroughly reliable arm. Some 20,000 Spencer guns were made and nearly all of them were sold and are now in use in all parts of the world. Lately their manufacture was discontinued by Mr. Bannerman and his associates, principally, because their original business of handling ordnance, military goods and war relics had grown so large that it required undivided attention. The Spencer gun is still in demand and it is to be hoped that its manufacture will shortly be resumed."

UNION MFG. CO.—Richmond, Va., 1861. Operated by G. P. Sloat making arms for the Confederacy. In business only a short time.

UNION RIFLE WORKS—Lancaster, Pa. Percussion rifles.

UNSELD, John—Frederick City, Md. Contracted December 14, 1775, with Council of Safety to furnish 80 muskets with complete equipment according to Maryland specifications, to be delivered by May 1, 1776. The Council wrote May 3, 1776 that so far they had received only 29 very roughly made muskets.

UPDEGRAPH, Jacob—Schuylkill County, Pa.

URIE, Solomon—Orange Township, Ashland Co., Ohio, 1818.

URIELL, D.—Unlocated. Kentucky rifles.

U. S. ARMS CO.—New York, N. Y., about 1873-78. Makers of .22 cal. knife pistols and rim-fire cartridge revolvers.

U. S. SMALL ARMS CO.—Chicago, Ill., 1917. Knife-pistol.

UTTER, George—Newark, N. J. Saw-handle percussion duelling pistols.

V

VAGEN, J. H. & CO.—Indianapolis, Ind., 1869-71.

VALE, T. A.—Unidentified. Flintlock Kentucky rifles.

VALEE, Prosper—Phila., Pa. Listed as gunsmith at 101 S. Second in 1829.

VALLEY FORGE—The Valley Forge was originally built on the

south bank of the Schuylkill, slightly over a half mile up from the mouth of the Valley Creek, in Chester County, Pa. It is believed to have been established by one Walker, a friend of William Penn, as a forge for making bar iron from pig metal obtained from the Warwick furnace, a few miles westward. In 1742, the forge was sold by Isaac Walker to Stephen Evans, Daniel Walker (or Welker) and Joseph Williams. The forge was operated by the Potts family of Chester, Pa., as a general manufactory of iron products, from the early part of 1757 until 1771, when Col. William Dewees, son of Sheriff William Dewees of Philadelphia, became associated with the Potts family through marriage and probably acquired an interest in the mill in 1773.

The forge was destroyed by the British under Gen. Howe on Sept. 21, 1777, about two months before Washington selected and occupied the Valley Forge as the site of his winter encampment. After the War of Revolution the forge was rebuilt and was operated by Isaac and David Potts (brothers), in conjunction with a slitting mill on the Schuylkill. In 1786, the forge and the mill were operated by Isaac Potts & Co., the "Co." being Isaac's son, James.

In 1814 the works were sold to John Rogers of Philadelphia, an iron-monger, and his cousin, Joshua Main took charge of operation of the works, whose output consisted of domestic hardware, and farming and industrial implements. The rolling mill produced sheet iron, boiler plates and kindred material. There is no record of gun manufacture in those early days, though gun skelps were made for the "public service" by Col. Dewees in 1776.

In 1821, John Rogers, in association with Brooke Evans, took over a defaulted Alexander McRae contract of 1817 for 10,000 muskets, and converted the shops into an arms factory, the armory being known as Valley Forge. Apparently after this contract was fulfilled, the partnership was dissolved, for on Jan. 1, 1825, Rogers alone obtained a contract which was probably shared with William L. Evans of Evansburg, a practical gun maker who managed the works.

Apparently about 1830, the Valley Forge Armory was leased by William L. Evans, who made the Model 1826 pistols marked "W. L. Evans V. Forge 1831 USN," and Model 1821 muskets made under contract of May 3, 1821, and marked "W. L. Evans V. Forge." Earlier arms made prior to 1825, are marked "V. Forge" and "B. Evans Valley Forge." See Evans, W. L. and Rogers, John.

The Valley Forge Gun Factory was partially destroyed by a freshet in 1839, and was completely destroyed in 1843. The property descended to a nephew, Charles H. Rogers, then to female descendants, until bought by the State of Pennsylvania for a park.

VANDEMAN—Unlocated. Late flintlock Kentucky rifles, halfstock and fullstock percussion rifles, marked in bold script. Rifles came from Ross Co., Ohio.

VANDERBURGER, F.—Unlocated. Percussion rifles.

VANDERGRIFT, Isaac and Jeremiah—Philadelphia, Pa., active before and after 1809-14. Ex-employees of John Joseph Henry.

VANDERGRIFT, John—Bucks County, Pa., 1775. Musket maker to Committee of Safety.

VANDERHEYDEN, John—Auburn, N. Y., 1850.

VAN DER POEL—Albany, N. Y., 1740.

VANDERSLICE T.—Pennsylvania.

VAN HORN, D. A.—Oneida, N. Y., about 1850-80. Double, percussion rifle-shotgun.

VAN METER—Chillicothe, Ohio.

VAN METER, J.—Richmond Dale, Ohio. Silver wire inlaid halfstock percussion rifle.

VANTREES, J. & J. F.—Father and son. Fort Recovery, Ohio, about 1826-1900. The early arms produced by Vantrees were percussion only. No flintlock made.

VAN VALKENBURGH, H.—Albany, N. Y., percussion period.

VAN WART & SON CO.—British, Birmingham and London. Lock marking of a silver stocked, all-metal, percussion pistol with barrel marked "HYDE & GOODRICH, NEW ORLEANS." Also a pair of fine percussion duelling pistols with locks marked "VAN WART SON & CO." barrels marked "LONDON," but Birmingham proofed, entirely by the same maker. Association with Hyde & Goodrich explained by the fact that the latter were importers of British Arms.

VARNEY, David M.—Burlington, Vt., 1850.

VELLEE—2nd and Walnut Sts., Philadelphia, Pa., 1826.

VELVERT—Maker of Kentucky rifles, circa 1860. (Connected with Volvert?)

VENIA & JOHNSTONE—Toledo, Ohio, 1880-83.

VICKERS, Jonathan—Cleveland, Ohio, 1821.

VIERGUTZ, O. H.—Pueblo, Colo., 1874-80.

VILLWOCK, Charles—Toledo, Ohio, active about 1873-82.

VINCENT, John—Cleveland, Ohio, 1850.

VINCENT, John—Washington County, Ohio, rifle maker active from about 1844-82. John Vincent was born Aug. 28, 1809, and after an apprenticeship as cabinet maker, his father's trade, he became a gunsmith about 1844. He died Sept. 17, 1882, the shop being taken over by his son, John Caleb. Made percussion and cartridge arms.

VINCENT, John Caleb—Son of John Vincent. Succeeded to his father's shop, whose plain but accurate arms were improved by the son as to finish. John Caleb was born March 21, 1841, was active until about 1900, and died April 19, 1918.

VIRGINIA MANUFACTORY—Also RICHMOND ARMORY, Richmond, Va. Authorized by Act of 1797, Virginia Legislature to found an armory for the manufacture of arms to equip state militia. The armory was erected in 1798, at the foot of Fifth Street, fronting James River.

Production began in 1802, 2,151 stands of arms being recorded as made by Oct. 13, 1803, and continued until 1820, including two models of flintlock pistols: the first a large model dated 1805 to 1811 inclusive, and the second resembling the Harpers Ferry Model 1806, with the addition of a swivel ramrod, found dated 1812 to 1815 inclusive. In 1820 manufacture was discontinued and the plant converted into a school.

In 1860, the armory was rehabilitated with machinery ordered from the Tredegar Iron Works of Richmond, and later aug-

mented with machinery captured at Harpers Ferry. The armory was operated under supervision of Salmon Adams, master armorer and produced "Richmond" rifles until the close of the Civil War.

VIRGINIA POINT OF FORK STATE ARSENAL—Established by the state as a manufacturing armory and a general ordnance depot at Point of Fork, Va.

In 1783, the arsenal was enlarged by equipment moved from the Public Gun Factory, and three new buildings were authorized July 4, 1783, "to be erected on the ground where the State Magazines were lately built and destroyed by the enemy."

The arsenal did considerable work in repair and restocking of arms, making locks, forging bayonets, etc., and plans were made for the utilization of its facilities for reconditioning arms until a reserve stock of 10,000 stands was accumulated.

About 1803, the Point of Fork Arsenal was discontinued and the equipment and material moved to the Richmond Armory, or "Virginia Manufactory." See Point of Fork Arsenal.

VIRGINIA PUBLIC GUN FACTORY—Fredericksburg, Va. The establishment of the factory was authorized by an ordinance of the Convention in July, 1775, Col. Fielding Lewis and Major Charles Dick being appointed Commissioners "to form, establish and conduct a Manufactory of Small Arms at Fredericksburg," to equip Continental Line regiments raised in Virginia.

The ground was acquired shortly after the passage of the Ordinance, and the buildings erected early in 1776. The plant also had a magazine, a substantial stone building begun in 1776, and completed in 1781, and operated under lease (from the widow of Roger Dixon) a mill on Hazel Run, for the grinding of bayonets, ramrods and gun-barrels.

From 1781 the business of the factory declined, due to partial dismantling and removal of tools under threat of British raiders, Tarleton's Dragoons actually operating within a few miles of Fredericksburg. In September, 1782 the number of workmen employed had shrunk to four hands and two apprentices, as compared with nineteen men and five apprentices in July of that year. By February of 1783, the plant was considerably in debt in salaries to officers and workmen, and the operating force had shrunk to three artisans.

The plant was discontinued in 1783, and equipment, tools and materials were moved to Point of Fork Arsenal.

VOESTER, F. G.—Denver, Col., 1868-69.

VOGLER, Christopher—Salem, N. C., before 1827. Flintlock Kentucky rifles.

VOGLER, Nathaniel—Son of Christopher Vogler. Learned gunsmithing at Nazareth, Pa.; succeeded his father at Salem, N. C., in 1827. Flintlock Kentucky rifles, later percussion arms.

VOGLER, Phillip—Salisbury, N. C. Born in Germany, 1725; emigrated to North Carolina in 1777. Highly decorated flintlock Kentucky rifle.

VOGLER, G.—Salisbury, N. C. Maker of flintlock Kentucky rifles of very fine workmanship and decorative skill, circa 1825-30. Used spread eagle design on patchbox finials. Lock of one fine specimen engraved "J. VOGLER," (Brother?) Probably sons of Philip Vogler, above.

VOGLER, J.—See G. Vogler of Salisbury, N. C., above.

VOGLER, Timothy—Salem, N. C. Kentucky rifles.

VOGLESANG, A. W.—Fostoria, Ohio, 1868-69.

VOIGT, Henry—Pennsylvania musket maker to Committee of Safety 1775-76. One of the petitioners representing Philadelphia gun makers, complaining to the Committee of Safety in November, 1776, against the high cost of materials and labor entering into arms making, and quoting advances in prices within one year, since 1775.

VOLCANIC REPEATING ARMS CO.—New Haven, Conn. Originally organized by Horace Smith and Daniel B. Wesson at Norwich, Conn., in 1854, to manufacture a repeating arm developed by Tyler B. Henry, ex-employee of Robbins & Lawrence of Windsor, Vt., in whose plant he had worked on the production of the Jennings magazine rifle. The arm was patented by Smith & Wesson, on Feb. 14, 1854, No. 10,535, Mr. Henry being the superintendent in charge of production.

The Volcanic Repeating Arms Company had been organized by Smith & Wesson in July, 1855, in order to attract additional capital to the Company, the Smith & Wesson patents being turned over to the new firm. Shortly after Horace Smith withdrew from the firm, and in February, 1856, the Company moved its plant to New Haven, doubtless under the influence of Oliver F. Winchester of New Haven, one of the principal stockholders. Mr. Wesson resigned from the firm Feb. 11, 1856.

The Volcanic became insolvent in March, 1857. The assets of the firm were acquired by Winchester, who re-organized it into the New Haven Arms Co. Later in 1866, it became the Winchester Repeating Arms Co. See New Haven Arms Co.

VOLENTENE, J.—Washington, Mo. Plain, accurate, hand-made percussion rifles.

VOLPIUS, H.—Manually operated, revolving cylinder, 7-shot percussion rifle.

VOLVERT—Lancaster, Pa., rifle maker, Revolutionary War period.

VONDERGRIFT, J.—Unlocated. Maple half-stock, octagon barrel, percussion plains rifle.

VONDERSMITH—Lancaster, Pa., arms maker, Revolutionary period.

VORE, Benny—New Paris, Pa., percussion period.

VOSSBURG, Selah—Alabama, N. Y., 1845. Over-under, double mule-ear hammers, single-trigger percussion rifle.

W

W.—Unidentified. Marking on barrel of fine relief carved Kentucky rifle circa 1800-1810.

W. A.—Unidentified. Middletown, Conn. Percussion under-hammer pistols.

WADE, Abner—Saleto Township, Muskingum Co., Ohio, 1811.

WADSWORTH, Decius—Captain U. S. Ordnance. U. S. Inspector of Muskets for Eastern States 1799-1801. Inspected sabers at plant of Nathan Starr in 1799. Colonel Ordnance 1814-1819.

WAGENHORST—Unidentified. Flintlock, heavy barrel, match rifles. Same as John Wagenhorst?

WAGENHORST, Io.—John Wagenhorst. Maple fullstock flintlock Kentucky rifle.

- WAGGONER**—Schenectady, N. Y. Reported maker of a percussion Kentucky rifle with lock marked "STAFFORD."
- WAGNER, Alvin**—Jackson, Mo. Percussion period.
- WAKEMAN, Harvey**—Buffalo, N. Y., 1828-35.
- WALCH FIREARMS CO.**—New York, N. Y., about 1859-62. Makers of Walch 10- and 12-shot revolvers, with cylinders taking two loads to a chamber. Patented by J. Walch, Feb. 8, 1859, No. 22,905.
- WALDREN, Alexander**—Pisquataqua River, Mass., 1672.
- WALDREN, William**—Boston, Mass., 1671.
- WALKER**—Unidentified. Maker of flintlocks.
- WALKER, B. H.**—Over-under, octagon barrels, set triggers, percussion Kentucky rifle. Also on stock of Bedford Co., Pa., style rifle marked on barrel "G. FAY."
- WALKER, John**—Unlocated. Flintlock Kentucky rifle with an 1835 ten-cent coin inlaid in cheek-piece. Marked on barrel "JOHN WALKER."
- WALKER, John, JACKSON, L.**—Reported percussion lock marking on a fancy, curly maple full stock, Kentucky rifle.
- WALKER, Joseph**—Knox Co., Ohio, 1804-07. Repaired gun locks for Indians.
- WALKER, P. H.**—6 F. H. Sqr., Boston. Marking on rib of double-barreled percussion shotgun with dolphin-head hammers.
- WALKER, S. L.**—(or J. L.) Cedarville, Ohio. Percussion rifles.
- WALKER, William**—Born in Tuckaleeche Cove, Great Smoky Mts., Tenn., 1838; died 1919. Flintlock and percussion rifles.
- WALKEY, Sam**—Made fine Snyder Co., Pa. style, inlaid percussion Kentucky rifles.
- WALLACE & OSBORNE**—Canton, Conn. Underhammer percussion pistol.
- WALLACE, V. M.**—New York, N. Y., 1835.
- WALLACH, Moses A.**—Boston, Mass., 1800-25.
- WALLIS & BURCH**—Philadelphia, Pa. Percussion derringer.
- WALLIS, Daniel**—See Wallis & Rice.
- WALLIS & RICE**—Talladega, Alabama, rifle contractors to the Confederacy. The firm consisted of Daniel Wallis of Talladega, and Samuel F. Rice of Montgomery, Ala. On May 9, 1862 they signed a contract to make one thousand Mississippi (Model 1841) type rifles for the State of Alabama and were advanced \$2,000 in cash. There is no record of production, but Gen. Lovell H. Rousseau made a raid from Decatur, Ala., and on July 15, 1864, reached Talladega, where he destroyed two gun factories, which probably included this one and that of Lewis G. Sturdivant.
- WALLY, Samuel**—Pennsylvania. Later maker of Kentucky rifles.
- WALSH, James**—Philadelphia, Pa., arms and gun-lock maker to the Committee of Safety in 1776. With Samuel Kinder, in December, 1776, petitioned to the Committee for redress (on contracted arms) because of rise in materials, tools and labor entering into gun-making. Walsh earlier in November, 1776, was one of the petitioners representing Philadelphia gunmakers, complaining against the high and mounting cost of equipment and materials used in making arms. James Walsh served the state as Superintendent of Arms at the State Gun Repair Shop at Allentown

about 1777-78. In 1779 Walsh advertised, offering his gunsmith tools for sale.

"J. WALSH" marking appears on well made, handsomely ornamented brass flintlock pistols.

WALSH, John—Pennsylvania stock maker to the Committee of Safety, 1776. With James Walsh, was one of the petitioners to the Committee complaining against the rising cost of materials and labor entering into gun-making, and quoting the advance in prices in one year, since 1775.

WALTERS, A.—New York, N. Y., 1822.

WALTERS, A.—Millbury, Mass., 1837.

WALTON, T.—Unlocated. Percussion period.

WARD—Unlocated. Halfstock percussion sporting rifle.

WARD-BURTON—Makers of magazine military and sporting rifles, about 1807-74. There were 313 breech-loading single-shot carbines and 1,015 rifles made on the Ward-Burton system, Burton patent of Dec. 20, 1859, No. 26,475, and W. G. Ward patent of Feb. 21, 1871, No. 111,994, at the Springfield Armory in 1871, and were issued for trial to troops in 1872.

WARD, H. D.—Massachusetts, 1863.

WARD, S. H.—Jamestown, N. C. Halfstock percussion rifle with Josh Golcher lock; percussion pea rifles.

WARE, J. S.—Unlocated 12 ga. double, percussion shotgun.

WARE & MORSE—Joseph S. Ware and John R. Morse, Worcester, Mass., 1825-33 and later.

WARE, Orlando—Worcester, Mass.

WARE & WHELOCK—Worcester, Mass., 1825 and after.

WARFIELD, L. & CO.—Gun barrel makers. Marking on barrel of a half stock, percussion plains rifle by S. J. Fosdick, Laporte, Ind.

WARNER—Rochester, N. Y. Over-under percussion rifle-shotgun. Also New York style mule-ear hammer percussion rifle.

WARNER, Benjamin Franklin—Seneca County (Indian Country). Came from Connecticut. Made gunstocks for the Senecas. Went with the tribe to Fort Gibson, Iowa.

WARNER, Charles—Windsor Locks, Conn. Maker of 6-shot percussion revolvers.

WARNER, George—Lancaster, Pa., 1857.

WARNER, H.—Unlocated. Flintlock Kentucky rifles.

WARNER, Horace—Ridgeway, Pa.

WARNER, Horace—Williamsport, Pa., about 1890.

WARNER, Horace—Born near Hartford, Conn., about 1832; died at Williamsport, Pa., 1893. Moved to Ridgeway, Pa., when 16; taught himself gunsmithing. Served in Berdan's Civil War sharpshooters. Made hunting and target rifles at Williamsport, Pa.; moved to Syracuse, N. Y., about 1880 and made many target and machine rest rifles weighing up to 60 lbs., most with under-hammer locks and Berdan primer ignition. A famous match shooter.

WARNER, James—Revolver manufacturer of Springfield, Mass., brother of Thomas Warner. Operator of the Springfield Arms Co. Active before 1850 to about 1869. Maker of Warner pocket percussion revolvers, 6-shot revolving percussion rifles and Warner rim-fire cartridge carbines, 150 of which were purchased by the

government between Jan. 24 and Nov. 15, 1864, and 2,500 from Feb. 2 to March 15, 1865.

The 1850 City Directory lists the James Warner & Co pistol factory at Lyman and Gardner Streets. Thereafter, until 1869, the address is Blake's Hill. See Springfield Arms Co., which this pistol factory is believed to be.

The Warner hand arms were manufactured under patents of Jan. 1851, No. 7,894; July 15, 1851, No. 8,229, and July 28, 1857, No. 17,904. The Warner carbine was patented Feb. 23, 1864, No. 41,732. Warner, believed to have been a former employe of the Massachusetts Arms Co., was born about 1818 and died in 1870.

WARNER, JAMES & CO.—See Warner, James, above, and Springfield Arms Co.

WARNER, Joseph—Gunsmith. Rose Alley, Phila., Pa., 1819.

WARNER & LOWE—Syracuse, N. Y., 1879-80. Horace Warner and William V. Lowe. Percussion sporting rifles.

WARNER, Thomas—Arms maker, elder brother of James Warner, born at Springfield, Mass., June 12, 1793. After serving a three-year apprenticeship to his uncle, a millwright of North Amherst, Mass., he returned to Springfield in 1814, and entered the service at the Armory. By 1837 Warner was Master Armorer, which position he held until Dec. 31, 1842. At this time the civilian superintendents were being replaced with Ordnance Department personnel, and Warner left the armory service, and went to the Whitneyville Armory, to take charge of the tooling up for the production of the Model 1841 rifle. In 1848-49, Thomas Warner was associated with Edwin Wesson, and later with the Massachusetts Arms Co. He is next found at the Waters Armory, at Millbury, Mass., and was active in the removal of the Waters machinery to the Palmetto Armory of Columbia, S. C. After that Warner was engaged in New York in an enterprise of rifling muskets; then went to Chicopee Falls, and finally back to Springfield, where he died Feb. 11, 1885.

WARREN—Albany, N. Y. Maker of a curly maple half stock, muzzle-loading, percussion sporting rifle. See Warren & Steele.

WARREN, A. J. & CO.—Memphis, Tenn., 1860.

WARREN, Milton—Abingdon, Va. Apprenticed under John M. Whitesides of Abingdon (then Wolf Hills). Percussion Kentucky rifles.

WARREN & STEELE—Albany, N. Y. Marking on the lock of an English barreled, percussion pistol.

WASHBURN, Nathan—Worcester, Mass. Was making five tons of rifle-barrel iron per day for the Springfield Armory, and was under contract to furnish 100,000 rifle-musket barrels during the Civil War.

WASHINGTON ARMS CO.—Unidentified. Makers of single-shot and 6-shot pepperbox, percussion pistols.

WASSMAN, F.—Washington, D. C., percussion period.

W.A.T.—Initials of Captain William A. Thornton, Ordnance Dept., U. S. Army. Inspector of Contract Arms 1842-61. See Thornton, William A.

WATERS—Dutchess County, N. Y. Gunsmith to Committee of Safety, 1775-76.

WATERS, A. & CO.—See Waters, Asa W. Jr.

WATERS, Andrus—Sutton, Mass., musket maker to Committee of Safety, 1775-76. Died in 1778. Brother of Asa Waters.

WATERS Armory—See, Waters, Asa, Jr., and Waters, Asa H.

WATERS, Elijah—Sutton, Mass. Son of Asa Waters and elder brother of Asa, Jr. Active from about 1775 until his death in 1814. See Waters, Asa, Jr.

WATERS, Asa—Revolutionary War musket maker and gunsmith to Committee of Safety. Asa Waters was born at Sutton, Mass., Jan. 27, 1742. With his brother Andrus he established the Sutton Waters Armory on Singletary Stream, Sutton, Mass., which furnished arms to the Continental troops. It is reputed to have been one of the first to utilize water power in the operation of trip-hammers used in making skelps and gun forgings. The iron ore for the works was obtained from Salisbury, in the northwest corner of Connecticut. Andrus Waters who had been taking care of the ore shipments, died from exposure after two years of operations, and was buried at West Point with military honors; the business being carried on by Asa.

Asa Waters had also served as lieutenant in a company of the Lexington Alarm. He died Dec. 24, 1814.

WATERS, Asa, Jr.—Son of Asa Waters above. Asia, Jr., was born at Sutton, Nov. 2, 1769, at his father's home at West Main and Rhodes Streets. With his elder brother Elijah, he learned the gunsmith trade in his father's factory. In 1797 Asa, Jr. and Elijah Waters purchased land and water power on Blackstone River, below the Singletary, and built the Waters Armory. Elijah died in 1814, and Asa (Jr.) became the sole proprietor. As in his father's shops, the welding of barrels at the Waters Armory was done by water power operated trip-hammer perfected by Asa Waters and patented Oct. 25, 1817.

Asa Waters had received the following contracts: Oct. 16, 1818, for 10,000 stands at the rate of 2,000 yearly, beginning April 1, 1819, (M. 1816: The barrels and bayonets to be brown color, locks unpolished). October 16, 1823, Waters obtained an additional contract for 10,000 Model 1816 muskets with deliveries of 2,000 per annum from Jan. 1, 1825. Contract of Jan. 24, 1829, details unknown.

Sept. 22, 1836, Waters contracted for 4,000 pistols Model 1836 at \$9.00 each, to be delivered by Dec. 31, 1837. On Feb. 7, 1840, Asa Waters, in association with his son, Asa H., under the name of A. Waters & Son, obtained an additional contract for 15,000 pistols. Model 1836, (still flintlock) at \$7.50 each, the contract being of five years duration with deliveries at the rate of 3,000 per annum.

Apparently after 1843 Asa H. Waters (son of Asa) took over the management of the firm and incorporated, for pistols dated 1844 are stamped "A. H. Waters & Co."

A part of the arms making machinery of the Waters Armory was sold to Wm. Glaze, operator of the Palmetto Armory at Columbia, S. C., in 1852, and was later used in the manufacture of Palmetto Armory arms. The Waters Armory is known to have made early Joslyn carbines after 1855.

WATERS, Richard—Salem, Mass., 1632.

WATERS & WHITMORE—Massachusetts musket makers, contractors of Sept. 8, 1808, for 5,000 Model 1808 muskets, delivery to be completed in five years. Of these 3,000 were delivered by Oct. 7,

1812. The arms were probably made either in the Sutton or Millbury Waters armories.

WATSON, J. M.—Altoona, Pa., late 19th century. Over-under rifle-shotgun, serial No. 23.

WATSON, Jonathan—Chester, N. H., 1800.

WATSON, Walter—Fayetteville, N. C. Advertised Nov. 7, 1864, "Pistol Maker and Machinist. Guns and pistols made and repaired with Dispatch. Members of Reserves and Home Guards can have their arms repaired at half-price."

WATKEYS, Henry—New York City, N. Y., before and after 1772-76. Proposed to the Provincial Congress of New York (under consideration June 13, 1775,) to furnish 1,000 muskets complete with steel ramrods, bayonets and scabbards at the price of £3, 15 shillings per stand, New York currency.

WATT—McVeytown, Pa. Extensive maker of flintlock Kentucky rifles.

WATT, G.—Unlocated. Percussion Kentucky rifle.

WATT, J.—Licking Creek, Juniata Co., Pa. Percussion Kentucky rifles.

WATT, J.—Unlocated. Heavy-barrel, flintlock match rifle.

WATT, William—Old employee of Hawken shop in St. Louis, Mo. Operated it during 1859-61, while Samuel Hawken and his son were in Denver, Colo.

WAY, Arad—Canfield, Ohio 1800-08. Trumbull and Middlebury Summit Co., 1812. Made pistols.

WEATHERBY, Joseph—Gunsmith. Above 449 Front, Phila., Pa., 1819.

WEATHERHEAD, Joseph—U. S. Inspector of Contract Arms, 1821-25. Inspected arms in plants of R. & J. D. Johnson, Simeon North, Lemuel Pomeroy, Nathan Starr and Asa Waters.

WEAVER, Crypret—Pennsylvania, 1818.

WEAVER, Hugh—Pleasant Ridge, Ohio, about 1870. Half-stock, percussion target rifle.

WEAVER, H. B.—South Windham, Conn. Breech-loading percussion shotgun.

WEAVER, Sam—Unlocated. Beautiful converted flintlock Kentucky rifle, early period.

W. B.—William Border, New Paris, Bedford Co., Pa. Maker of full stock, percussion squirrel rifles.

WEBB, S.—Unlocated single action revolvers.

WEBBER ARMS CO.—Denver, Col. Modern.

WEBEL, Charles—Gunsmith, Jackson near Tchouptoulas Sts., New Orleans, La., 1853.

WEBER, P.—Unlocated. Curly maple, half stock percussion rifle.

WEDDELL, P. M.—Zanesville, Ohio, 1823. Flintlock, fullstock Kentucky rifle (now converted to percussion) with silver inlays in stock, complex patch box opening device. Marked on barrel, in script "P. M. WEDDEL" and on a silver inlay under cheek piece "ZANESVILLE 1823."

WEEDS, N. B. & H.—Unlocated. Flintlock Kentucky rifle.

WEEKS, D.—Erie, Pa. Percussion halfstock squirrel rifle, Steatham lock.

WEIBLE, J.—Unlocated. 1844 Percussion rifle.

WEICHOLD, Jack—4047 Herron Ave., Cincinnati, O. Modern under-hammer percussion match rifle.

WEIDMAN, Solomon—Lancaster, Pa., 1857.

WEIKER, G.—Pennsylvania, period of 1780. Flintlock Kentucky rifle, engraved on patchbox, "G. Weiker, gunsmith, has his price—\$16.48 for manufacturing."

WEISER, G. W.—Pennsylvania, 1839.

WEIS, G.—Pennsylvania. Over-under percussion rifle-shotgun.

WELCH, BROWN & CO.—William W. Welch and his sureties, Plumb Brown and Austin A. Spaulding, Norfolk, Conn., Civil War contractors, for 16,000 Springfield rifle-muskets, Model 1861, contract of June 6, 1862. Of these 1,360 were recorded delivered; 1,000 April (?) 21, 1865, and 360 May 3, 1865, both lots at \$15.00 each. In the records the first date is given as August 21:—this is believed to be a typographical error, as both lots were paid for in full on May 11, 1865.

WELCH, James—Philadelphia, Pa., 1783.

WELCH, W. W.—William Wickham Welsh, Norfolk, Conn. Civil War arms contractor. Organized a concern for the manufacture of percussion rifle muskets Model 1861. Nov. 6, 1861, for 18,000 at \$20.00 each. 16,000 delivered. Jan. 12, 1864, for 2,500 at \$18.00 each. 1,000 delivered. The rifle-muskets were made in the long stone shop of the Empire Company. After the war the same company undertook the manufacture of "revolving pistols" under the name of "The Connecticut Arms Company."

Dr. Welch was born Dec. 10, 1818, in Norfolk, Conn. Graduated from Yale Medical School in 1839 and represented his town in General Assembly during years 1848, 1850, 1879 and 1881. Was State Senator from 17th District in 1851-52 and Representative in Congress from 4th Congressional District of Connecticut in 1855-57. In addition to his interest in rifle-musket contracts, Dr. Welch was active in a number of other enterprises, including services as vice-president of Norfolk Bank from 1862 until his death in 1892.

WELDON, Robin—Mansfield, Richland Co., Ohio, 1810. Made implements of war, War of 1812. Lived in blockhouse during the War.

WELHANCE, Kunrat—York, Pa., musket maker. Associated with Jacob Laether in a contract with the Commonwealth of Pennsylvania, of April 11, 1798, for 1,200 Charleville pattern, (Model 1795) muskets. He is also listed as Conrad Welshanze in a later contract of April 17, 1801, also with Pennsylvania, in which, he in association with Jacob Doll and Henry Pickell, of York County, contracted for 1,000 Charleville pattern, (Model 1795) muskets.

WELLES, C.—See Wells, C.

WELLS, C.—(Or Welles). Milwaukee, Wis., 1867-1910. Gunmaker, gunsmith and dealer. Formed a partnership with a Mr. Hale and was listed as Welles & Hale from about 1858 until about 1870. Located at 15 Wisconsin Avenue until 1871, later 87 Wisconsin (1871), 425 East Water Street (1878) 423½ East Water (1887), 419 Sycamore (1893), 5,124 Second Street (1910). Made single and double barrel percussion rifles and shotguns.

WELLS & HALE—Milwaukee, Wis. Percussion rifles. See Wells, John C.

WELLS, J. H.—Staunton, Va. Kentucky rifle for match shooting.

WELLS, W. & BRO.—Madison, Ind. Makers of percussion gun locks.

- WELSH, James**—Dock Ward, Northern part Philadelphia, Pa., 1779. Flintlock holster pistol.
- WELSHANS, Jacob**—Probably same as Welshantz below. Contracted for "rifle guns" in 1792. Payment of \$72.00 recorded.
- WELSHANTZ, David**—York County, Pa., 1780-83.
- WELSHANTZ, Jacob**—York County, Pa., 1777-83. Worked for the State 1777-80.
- WELSHANTZ, Joseph**—York County, Pa., 1779-83.
- WELSHANZE, Conrad**—York, Pa., musket maker. In association with Jacob Doll and Henry Pickell, of York County, contracted April 17, 1801, with the Commonwealth of Pennsylvania for 1,000 muskets, Charleville pattern.
- Under the name of Kunrat Welhance he had earlier, April 11, 1798, contracted in association with Jacob Laether to furnish the Commonwealth with 1,200 muskets made on the Charleville pattern. Doubtless was of the same clan with the Welshantz gunsmiths above, regardless of the spelling of the family name.
- WELSHENS, J.**—No details. (Joseph or Jacob Welshantz?)
- WELTON, Ard**—Waterbury, Conn., musket maker, before and after 1773-1801. Contractor under the Act of July 5, 1798, for 1,000 Charleville pattern (Model 1795), muskets at \$13.40 per stand. \$7,865 recorded paid on account in 1799; \$7,705 in 1800, and \$598.20 in 1801. Welton had served as lieutenant in the Continental Army during the Revolutionary War.
- WELZHOFFER, Joseph**—307 Main St., Buffalo, N. Y., 1845.
- WENTZEL, W. H.**—Frederick, Md. (?) Maker of a side-by-side, double barrel, percussion rifle with curly maple half-stock and locks by "McKIM & CO."
- WAREHAM, David**—Ohio.
- WERGER, Christian**—Leacock Township, Pa., musket maker to Committee of Safety in 1776.
- WERNER, Charles**—Rochester, N. Y. Percussion period.
- WERNER, J. G.**—York, Pa. Percussion, double-barrel rifle.
- WERTER**—Gun barrel maker; late flint period. Stamped under breech of H. Gibbs, Lancaster, Kentucky rifle.
- WERTZ, Peter**—Gunsmith, Saleto Township, Muskingum Co., Ohio, 1811.
- WESLE, Norbert**—Milwaukee, Wis. Percussion hunting and target rifles. Located on Third between Chestnut and Prairie in 1854-55, on Third between Tamarack and Prairie in 1856-61, at 289 Third in 1862-74, and at 315 State Street from 1874 to 1880.
- WESSON, D. B.**—Daniel Baird Wesson, one of the founders of Smith & Wesson, was born at Worcester, Mass., in May, 1825, of an old New Hampshire family of English descent. After a brief attempt to interest himself in the shoe business with his brothers Rufus and Martin, Daniel joined his brother Edwin at Northboro in 1843, and completed his apprenticeship in 1846. He continued with Edwin until about 1850, when his brother died. After working for a time for his brother Frank, who had a gunsmith shop at Grafton, and with Leonard at Charlestown, Mass., as superintendent of the Leonard pepperbox pistol plant, Wesson went to work for Allen, Brown and Luther at Worcester, Mass., in 1852. There he became associated with Horace Smith and the Volcanic Repeating Arms Co., and later formed the Smith &

Wesson arms manufacturing firm. See Smith & Wesson. Daniel B. Wesson died at Springfield, Mass., August 4, 1906.

WESSON, Edward—Grafton, Mass., 1834-40, then at Northboro until 1843 and later.

WESSON, Edwin—Son of Rufus Wesson, a native of New Hampshire, who migrated to Massachusetts and established a plow manufactory.

Edwin apprenticed himself to Silas Allen of Shrewsbury, and later set up for himself at Northboro, where in association with Leavitt he manufactured the Wesson and Leavitt revolver, until his death in 1850. See Massachusetts Arms Co. Edwin was an older brother of Daniel B. Wesson.

WESSON, Frank—Brother of Daniel B. and Edwin Wesson. Arms manufacturer of Worcester, Mass. Active about 1850-77. Maker of Wesson pistols, military carbines and sporting and target rifles, under the patent of Frank Wesson and N. S. Harrington of Oct. 25, 1859. No. 25,926, and the numerous Frank Wesson patents of Nov. 11, 1862; Dec. 15, 1868; July 20, 1869; June 13, 1871 and July 10, 1877.

One hundred and fifty Wesson rim-fire carbines were purchased by the government during the Civil War, as well as many hundreds by various states and units.

WESSON & HARRINGTON—Worcester, Mass., 1871-74. Makers of 5- and 7-shot cartridge revolvers. Succeeded by Harrington & Richardson 1875 to date. See the latter firm.

WESSON & PRESCOTT—Northboro, Mass. Prior to 1850. Edwin Wesson in association with E. A. (?) Prescott, rifle manufacturers. Partnership dissolved on Edwin Wesson's death in 1850.

WESSON, STEVENS & MILLER—Hartford, Conn., Edwin Wesson, Joshua Stevens and S. C. Miller, manufacturers, between 1837-49, of hand-turned cylinder, percussion revolvers made on the Daniel Leavitt of Cabotville (now Chicopee), Mass., patent of April 29, 1837, No. 182.

WEST, Stephen—Woodward, Frederick Co., Md. Revolutionary War period. His letter with address given as Woodyard, (?), discusses the many merits of his guns and scoffs at all others produced in Maryland, particularly those of Isaac Harris, at "fit only to beat homminy with."

WESTERN ARMS CO.—New York, N. Y. and Chicago, Ill. Percussion pocket and rim-fire cartridge belt revolvers. Quite likely made for Western Arms Company by some other firm.

WESTERN ARMS CORP.—Ithaca, N. Y., Modern.

WESTERN GUN WORKS—Chicago, Ill. "Tramp's Terror" .22 pocket revolver.

WESTPHALL, Charles W.—Musket maker. In association with Frederick Goetz of Philadelphia, contracted on July 13, 1808, for 2,500 Model 1808 muskets, duration five years. Of these 1,019 recorded delivered by Oct. 7, 1812.

WETMORE, W. W.—Lebanon, N. H., and Windsor, Vt. Percussion gaintwist rifle for picket bullet; false muzzle recessed for either linen or paper cross-patch.

WETZEL, Jonathan—Pennsylvania. Middle and late flintlock period and early percussion, Roman nose style, graceful Kentucky rifles.

WEYERMAN, Isaac—Le Soeur County, Minn., 1864-65.

- W. G. M.**—Unidentified. Kentucky rifles with very dark stocks.
- WHALL, William**—Kirby St., Liberty Square, Phila., Pa. Advertised for an apprentice Feb. 2, 1793 and had for sale pistols, "very elegant Fowling and Cocking Pieces . . . calculated for large and small game . . . very elegant Muskets with bayonets, fit for military gentlemen."
- WHALL, William, Jr.**—Boston, Mass., 1813-19.
- WHEATLEY, Henry**—Washington and Claysville, Washington Co., Pa.
- WHEELDON, James**—Pomeroy, O., 19th-20th century. Muzzle-loading rifles.
- WHEELER, A. G.**—Farmington, Me., 1867-68.
- WHEELER, G. E.**—Farmington, Me., 1877. Maker of Plains rifles.
- WHEELER, George**—Stevensburg, Culpepper Co., Va. Musket maker to the State of Virginia, and operator of Wheeler's Works. Contracted with the State about 1797, for 4,000 muskets, of which 250 were inspected and passed Oct. 16, 1801, at Richmond, Va., by Alex Quarrier and John Clerke with comments that the work was roughly executed, especially in the locks, but better than any Wheeler had made before; considerably inferior to guns sent from Philadelphia. Another parcel is reported inspected and passed Feb. 23, 1802, by John Strode.
- WHEELER, J. H.**—Unlocated. Heavy barrel (24 lb.) percussion target rifle.
- WHEELER, Leicester**—Forged pistol barrels, Springfield Armory, 1808.
- WHEELER & MORRISON**—Virginia musket makers, contractors of Oct. 21, 1808, for 2,500 Model 1808 muskets, duration five years. Only 125 delivered by Oct. 7, 1812.
- WHETCROFT, William**—Annapolis, Md. Musket maker to Committee of Safety 1776. Had a plant producing 50 muskets a week.
- WHIPPLE, T. H.**—Cambridge, Vt. Made heavy sharpshooters' rifles for Union forces. An 18-lb. under-hammer percussion rifle.
- WHIT, J. R.**—Gunsmith. Seneca Co., Ohio. Bored gun barrels and repaired arms during War of 1812.
- WHITE, E. B.**—Unlocated. Maker of percussion under-hammer pepperbox pistol with bootleg grip.
- WHITE, H.**—Gunsmith, Jackson, Jackson Co., Ohio, 1851-65.
- WHITE, Horace**—Springfield, Mass., arms maker to Committee of Safety 1775-76.
- WHITE, H. W.**—Jackson, Ohio. Percussion Kentucky rifle.
- WHITE, J.**—Uniontown, Pa., from about 1815. Smallbore rifles. (Same as, or related to John White of Uniontown, Pa.?)
- WHITE, J. A.**—Gunsmith. Jackson, Jackson Co., Ohio, 1854-58.
- WHITE, John**—New Lisbon, (now Lisbon) Columbiana, County, Ohio. Active in the early part of 19th Century.
- WHITE, John**—Uniontown, Fayette Co., Pa., about 1790-1810.
- WHITE, John**—Gunsmith. New Philadelphia, Tuscarawas Co., Ohio.
- WHITE, L. B.**—Underhammer percussion pistol.
- WHITE, Nicholas**—Frederick Town, Md., musket maker, associated with Thomas Crabb, Jacob Metzger and Christopher Barnhizle in a contract under Act of July 5, 1798, for 1,000 Charleville

pattern (Model 1795) muskets at \$13.40 per stand. Of these 235 delivered by June 10, 1801.

WHITE, Peter—Annapolis, Md., rifle maker of the Revolutionary War period.

WHITE, Peter—Colerain Township. Bedford Co., Pa., 1825.

WHITE, Peter—Highly ornamented flintlock rifles. Said by Uriah Fisher to have been the first gunsmith in Uniontown, Fayette Co., Pa. Possibly the same as Peter White above.

WHITE, ROLLIN ARMS CO.—Lowell, Mass. Established about 1864, to manufacture cartridge revolvers which infringed on the Rollin White patents controlled by Smith & Wesson, and 8,642 revolvers were turned over to Smith & Wesson for sale.

The firm assumed the name of Rollin White without authority or permission from Mr. White. On Rollin White's protest on the use of his name, the firm's name was changed to Lowell Arms Co.

WHITE, Rollin—Arms inventor and designer was born at Williamstown, Vt., June 6, 1817. During 1849-57 he resided at Hartford, Conn., where he worked for two of his brothers, contractors to Colt, in 1849. He did contract work for Colt from 1849 until 1852, when he left Colts on their abandonment of the contract system in their shops. Lived at Davenport, Iowa, from 1857 to 1863, when because of frequent visits East, necessary because of his patent interests, he moved to Springfield, Mass. In 1864 he purchased a residence in Lowell and engaged in the invention of arms as well as many other mechanical devices, such as a loom, wrenches, spinning spindles, drawing punches, a torpedo, cartridges, etc. About 1866 he heard that a Lowell revolver manufacturing firm had without his consent assumed his name in connection with their trade name, Rollin White Arms Company, which he caused them to abandon, they changing to Lowell Arms Co. Rollin White died at Lowell March 22, 1892.

Rollin White's patent of "a cylinder bored end to end" purchased by Smith & Wesson, had paid him a royalty of 50 cents per arm, but since the terms of the contract stipulated that White had to defend his patent against infringements, most of the royalties were absorbed in law suits to defend the patent, which expired on April 3, 1869. White succeeded in obtaining Congressional legislation for its extension, but the measure was vetoed by President Grant, because the control of the patent had deprived the Union armies of cartridge revolvers during the Civil War.

WHITE, W. H.—Jackson, Ohio, 1851-65.

WHITESCARVER, CAMPBELL & CO.—Rusk, Cherokee Co., Tex. Delivered 750 Texas (Model 1841 type) Rifles by November, 1864. Texas Rifles were issued mainly to Indian troops serving in the Confederate army and stationed in Indian Territory, now Oklahoma.

WHITESIDES, John M.—Abingdon (then Wolf Hills), Va. Axemaker, turned to riflesmithing. Handmade percussion Kentucky rifles, mounted with iron, brass, German silver, or silver. Scroll wire inlaying a specialty. Taught Milton Warren.

WHITING, John—Independence, Iowa. 1867-68.

WHITMAN, B.—Stillwater, N. Y. Percussion period.

WHITMORE—Sutton, Mass., musket maker associated with Asa

Waters in a contract of Sept. 8, 1808, for 5,000 Model 1808 muskets, of five years duration. Of these 3,000 delivered by Oct. 7, 1812.

WHITMORE, Andrew H.—Somerville, Mass., 1868.

WHITMORE, H. G.—Boston, Mass., 1853 and later.

WHITMORE, Nathaniel G.—Rifle maker. Born at Mansfield, Mass., in 1829, and learned the trade in his father's shop. Worked for Sharps Rifle Co. and Remingtons. Died at Eastondale, Mass., in 1917.

Maker of a heavy barrel, muzzle loading, percussion, target rifle with double set triggers.

A presentation rifle by Whitmore was gift to Gen. U. S. Grant from the citizens of Providence, R. I., and is now in the Smithsonian Institution in Washington, D. C.

WHITMORE & WOLFF—Makers of half stock, muzzle loading percussion rifle with double set triggers. See Whitmore, Wolff below.

WHITMORE, WOLFF & CO.—50 Wood St., Pittsburgh, Pa., in 1853. M. Whitmore, C. H. Wolff, Hugh Jones, Geo. J. Duff, "Importers and Wholesale Dealers in Hardware and Cutlery." Makers of front and back action locks.

Probable firm sequence: Whitmore & Wolff; Whitmore, Wolff & Co.; Whitmore, Wolff, Duff & Co.

WHITMORE, WOLFF, DUFF & CO.—Pittsburgh, Pa. Lockmakers, late percussion period. Back-action lock with this marking on a M. Ringle, late Kentucky rifle. See Whitmore, Wolff & Co., above.

WHITMORE, W. W.—Percussion period. Under J. H. Durkee at Lebanon, N. H.; later opened shop at Springfield, Mass.

WHITNEY ARMORY—Whitneyville, Conn. Established by Eli Whitney, inventor of the cotton gin, upon the receipt of a contract to make 10,000 muskets under the Act of July 5, 1798. The armory made flintlock, percussion and cartridge arms for the government and for private use in the 90 years of its existence, including Models 1798, 1808, 1812, 1816 flintlock muskets, 1841 percussion rifles, Springfield rifle muskets during the Civil War, percussion as well as cartridge revolvers, and Whitney, Burgess, Phoenix, Kennedy and other sporting and military rifles and carbines. The armory ceased operations in 1888. See Whitney, Eli, Sr. and Jr., below.

WHITNEY ARMS CO.—New Haven, Conn., 1866-69. Eli Whitney (Jr.) Pres. Connected with the Whitney Armory. Made Howard patent hammerless rifles for Howard Bros.

WHITNEY, Eli (Sr.)—New Haven, Conn. Born Dec. 8, 1765. Famous as the inventor of the cotton gin. On Jan. 14, 1798, under the influence of Hon. Oliver Wolcott, the Secretary of War, Whitney obtained a contract for 10,000 Charleville pattern muskets (Model 1795) at \$13.40 per stand, and established an armory for their manufacture at the foot of East Rock, (Whitneyville) about two miles from New Haven. The contract was not completed until 1809, due to many difficulties encountered in the establishment of a new business, but the Whitney arms proved very satisfactory and embodied improvements which became features of later models.

April 8, 1808, Whitney contracted to furnish the State of New York with 2,000 muskets at \$13.00 per stand; these were delivered by March 13, 1811, and an additional 2,000 were ordered.

His next government contracts were of July 18, 1812, for 15,000 stands; August 1, 1822, for 3,000 muskets Model 1816, at \$12.00 per stand to be delivered by Feb. 1, 1824, which was followed on August 15, 1822, by an additional contract for 15,000 more of the same model, also at \$12.00, to be delivered at the rate of 3,000 per annum from January 1, 1824.

Eli Whitney (Sr.) died Jan. 8, 1826, and during his son's, Eli's (Jr.) minority, the Whitney Armory was operated by a Board of Trustees, among them P. & E. W. Blake (Eli W. Blake was a nephew of Eli Whitney, Sr.). The Blake name appears on Whitney arms before and after 1827.

WHITNEY, Eli (Jr.)—Whitneyville, Conn. Son of Eli Whitney (Sr.), the founder of the Whitney Armory. The younger Whitney became of age in November, 1842. Under his administration the Whitney armory received numerous government contracts, including large orders for Model 1841 percussion rifles. Thomas Warner, ex-master armorer of the Springfield Armory, superintended the tooling up and the manufacture of these rifles. Some of these arms were shipped to New Orleans about 1847, and issued to the 1st Mississippi Regiment commanded by Jefferson Davis, and so acquired the name of Mississippi rifles.

The government contracts received before the Civil War included the following: Oct. 22, 1842, for 7,500 Model 1841 rifles at \$13.00 each, to be delivered by Jan. 1, 1847; an additional order of March 27, 1848, for 7,500 more at \$12.87½; Feb. 6, 1849, for 2,500 rifles at \$12.87 and one for 100 rifles at \$11.62½ each, dated May 24, 1855.

During the Civil War Whitney delivered 15,001 Whitney rifle muskets under contract of Oct. 17, 1863. In addition the government purchased 11,214 Whitney Navy revolvers. From the end of the Civil War until it suspended operations in 1888, the Whitney armory was engaged in the manufacture of various types of military and sporting arms. See Whitney Armory.

WHITNEY, James S.—Colonel Ordnance, Superintendent Springfield Armory from October 19, 1854 to March 1, 1860.

WHITNEY, John—Independence, Iowa, 1867. Made some rifles but mostly did repair work. Closed his shop in 1880's. Died towards end of that decade.

WHITNEY SAFETY FIREARMS CO.—Florence, Mass., 1891.*

WHITSIDE, R. & J.—Makers of a full curly maple stock, double set triggers, flintlock Kentucky rifle.

WHITEMORE, Amos—Boston, Mass., about 1775-85. Arms maker to Committee of Safety.

WHITEMORE, D.—Cambridge, Mass., 1860.

WHITTIER, O. W.—Enfield, N. H. Designed and made 6-shot percussion hammerless revolving rifles, Kentucky style stock.

W. & H. S.—See Shannon, W. & H.

WHYSONG, Samuel—Pavia, Union Township, Bedford Co., Pa., 1877.

WICKER & HAGADORN—Ypsilanti, Mich. Double-barrel, side-by-side percussion rifles.

WICKHAM, M. T.—Philadelphia, Pa., musket maker. Contractor of July 19, 1822, for 5,000 Model 1816 muskets to be delivered at the rate of 2,000 per year from January 1, 1823. Dec. 6, 1823, he received a contract for an additional 10,000, deliveries at 2,000 a year from July 1, 1824. He also had a navy contract

for muskets of 1826, at \$14.00 per stand. Also army contract of Jan. 24, 1829.

Marine T. Wickham had been a U. S. Inspector of Arms, 1811-15. He is listed in 1829-33 in the Philadelphia City Directory at the location of the John Joseph Henry gun factory, at the corner of 3rd and Noble Streets.

WICKHAM & CO.—Military and fancy hardware, 94 High, Phila., Pa. See M. T. Wickham. 1819 Directory ad reads:—

"Importers of Hardware
Military and Sportsmen's Articles
Have constantly on hand
An extreme assortment of . . .

A good variety of Fowling Pieces, Pistols, Sabres, Swords, Dirks, Foils, Locks—and component parts of each . . ."

WICKHAM, T.—Philadelphia, Pa., 1775-76. Gunsmith to Committee of Safety.

WICKHUN & MATHUES—Unlocated, period of 1810. Fine flintlock Kentucky rifles.

WICKLINE—Gunsmith. New Ironton, Lawrence Co., Ohio. Halfstock Kentucky type, percussion rifles.

WICKLINE, G. L.—Cadmus, O., late 19th century. Percussion half-stock Kentucky rifle.

WIDMER, J.—Newark, N. J. Schuetzen rifle of fine, plain workmanship. Remington Cast Steel barrel marked on top flat "J. WIDMER NEWARK, N. J."

WIGFALL, Samuel—Philadelphia, Pa., musket-lock maker to Committee of Safety. Contracted for 200 musket-locks Dec. 5, 1775.

WIGLE, Peter—York County, Pa., 1777-80. Had worked for the State.

WILCOCKS, John—Revolutionary War officer and operator of a gun-lock factory.

WILCOX, John—Deep River, N. C., 1776-79. Maker of rifle barrels, shot and cannon for the State at his foundry and iron works.

WILDER, F.—Unlocated. Light weight, single-barrel shotgun.

WILDER, R. M.—Coldwater, Mich., 3-barrel, swivel-breech, percussion rifle.

WILEY—Pennsylvania gunsmith to Committee of Safety, 1775-76.

WILHELM, Jacob—Lancaster, Pa., 1857.

WILKINS, Neil—Gunsmith, Zanesville, Muskingum Co., Ohio, 1804-1820.

WILKINSON—Keesville, N. Y., 1870. Bolt action rifle.

WILKINSON, J. D.—Plattsburg, N. Y., 1866 and after.

WILKS, John—Letter cutter and gunsmith. Capitol St., Albany, N. Y., in 1815; 119 State St. in 1820-1821; different addresses up to 1826.

WILLARD, A.—Boston, Mass. Underhammer percussion pistol.

WILLARD, Bartholomew—Burlington, Vt. Percussion period.

WILLARD CASE & CO.—New Hartford, Conn. Makers of underhammer percussion pistols.

WILLERDING—Evansville, Ind.

WILLETS, A. & S.—New York, N. Y. Maple-stocked flintlock fowling piece.

WILLETS—Lock marking of a striped maple, full stock, goose-neck

hammer, flintlock Kentucky rifle. Lock stamped with crown over V, so probably British; but see A. & S. Willets.

WILLIAM, Abraham—Covington, Ky., 1845.

WILLIAMS—Maquoketa, Iowa.

WILLIAMS, Abe—Craft Creek near Prosperity, Washington Co., Pa., 1835 or earlier, to about 1860. Flint and percussion rifles; name scribed on brass and inlaid in barrel. Operated water-power shop.

WILLIAMS, Abe—Owego, N. Y. Percussion period.

WILLIAMS, Charles—U. S. Inspector of Arms, 1808-14. Inspected sabers at plant of Nathan Starr 1812-13.

WILLIAMS, Edward—Connecticut. Certified he sold to Capt. Hez. Huntington and Amasa Palmer, musket makers to Committee of Safety, "good duble bridle gunlocks."

WILLIAMS, Elie—Williamsport, Md. Contractor under Act of July 5, 1798, for 2,000, Charleville pattern (Model 1795) muskets, at \$13.40 per stand. It is believed that he failed on his contract. No payments are recorded.

WILLIAMS, M. D.—Hornellsville, N. Y. .50 caliber percussion rifle, lock by Leman of Lancaster.

WILLIAMS & REZNER—Mercer, Pa. Percussion Plains rifle, brass-mounted, walnut halfstock, G. Goulcher lock.

WILLIAMSON, David—New York, N. Y. The name appears on a percussion derringer made under D. Williamson patent of Oct. 2, 1866, No. 58,525. Probably made by the National Arms Co., of Brooklyn, N. Y., or Moore Firearms Co. of Brooklyn (same firm), makers of Williamson arms.

WILLIS, John—Pennsylvania musket maker to Committee of Safety. In association with Benjamin Town, contracted on Dec. 6, 1775, to make 200 "firelocks" at £4, 5 shillings each. Willis was one of the petitioners to the Committee of Safety at Philadelphia in November, 1775, complaining against the rising cost of materials and labor entering into arms making.

WILLIS, Richard—Lancaster, Pa., gunsmith proscribed as "attained of treason" by public proclamation at Lancaster, June 15, 1778.

WILMOT, Nathaniel N.—St. Paul, Minn., 1863-64.

WILMOT, N. M.—St. Louis, Mo. Percussion 6 ga. goose gun.

WILMOT, N. N.—Boston, Mass. Possibly same as Nathaniel N. Wilmot, St. Paul, Minn., 1863-4.

WILSON & EVANS—513 Clay and 122 Sacramento, San Francisco, Calif., 1862-63. 513 Clay, 1864-65.

WILSON, H. H. & SON—27 6th St., San Francisco, Calif. 1887.

WILSON, Philip & Co.—Philadelphia, Pa., 1851. Percussion buffalo rifle.

WILSON, Sam—Fairchild, Conn. Shop on Hoyden Hill Road near Black Rock Turnpike. Active about 1835-67.

WILT, J.—Upper Hydraulic, Dayton, Ohio, 1850-54.

WIMTELL, J.—Unlocated. Marking on a percussion rifle lock.

WINCHESTER REPEATING ARMS CO.—New Haven, Conn. Organized by Oliver F. Winchester in 1866, upon reorganization of the New Haven Arms Co., of which Winchester had been one of the principal stockholders.

Mr. Winchester, a shirt manufacturer of New Haven, Conn., had come to that city in 1848, and started a shirt factory, Winchester & Davies, at 59 Court St., the next house from his resi-

dence at 57 Court Street. He became interested in arms manufacturing in 1855 when he purchased stock in the Volcanic Repeating Arms Co., at Norwich, Conn., which moved to New Haven in February, 1856, failed in 1857; emerged as the New Haven Arms Co., and eventually became the Winchester.

During the World War, the Winchester Company supplied the government with 465,980 Model 1917 (Enfield) rifles from August 1, 1917, to Nov. 9, 1918, as well as innumerable other equipment and munitions.

WINDSOR MFG. CO.—Windsor, Vt., 1867-68.

WING, Robert—Sharleston, S. C., 1867.

WINGER, Richard—Lancaster County, Pa., gunsmith to Committee of Safety, 1775-77.

WINGERT, William—Detroit, Mich. Active from 1845 to 1867. When he retired, his shop at 10 Congress Street East, was taken over by Fisher & Long. He made 3-barrel rifles, single-barrel percussion rifles, and under-hammer pistols.

WINN, C. W.—Unlocated. Full stock percussion rifle.

WINNER, James—104 Walnut St., Philadelphia, Pa., 1813.

WINNER, NIPPES & CO.—Pennsylvania musket makers. Contractors of July 20, 1808, for 9,000 Model 1808 muskets, five years duration. Of these 3,900 were delivered by Oct. 7, 1812.

WINNIGER, Adams—Gunsmith. Rockey Fork near Lucas, Richland Co. Repaired firearms at Beams Mill, 1812.

WINSHIP, Wynn—Gunsmith. Worked in Stockade, southeast of public square, Mansfield, Richland Co., Ohio, War of 1812.

WINTABLE, Abraham—437 North 3rd St., Philadelphia, Pa., 1816.

WINTAFELD, Abel—Gunsmith. 437 N. Third, Phila., Pa., 1819.

WINTER, Gustave—Denver, Colo., 1879-80.

WINTERS, Elisha—Chestertown, Md., musket maker to Committee of Safety. Made 40 stands of muskets per month.

WINTERSTEIN, E.—Trinidad, Colo., 1874-80.

WITHER, John and Michael—Strasbourg Township, Lancaster Co., Pa., before and after 1771-79.

WITHERS, Michael—Lancaster County, Pa. Musket maker to Committee of Safety, 1775. Agreed to make muskets and bayonets at Philadelphia prices, and to confine himself and his workmen to that work.

WITHERS, William—Gunsmith. 5 Baker's Court, Phila., Pa. 1819.

WITMAN, Solomon—Lancaster, Pa., 1857.

W. J.—Unidentified. A plain percussion Kentucky rifle with factory lock.

W. K.—Unidentified. Early Kentucky rifle, flintlock period.

W. L.—Unidentified. Maker of Kentucky rifle.

W. N.—Initials of W. North, U. S. Inspector of Arms within years 1831-1850.

W. N. & S.—See Winner, Nippes & Co., Nippes, Daniel, and Steinman, John.

WOLF—New York City. No details.

WOLFE, Luther M.—Willshire, O. Modern muzzle-loading rifles.

WOLFE, Meredith—Born in McMinn Co., Tenn., Sept. 3, 1833; died in Chattanooga, Feb. 8, 1930. Apprenticed under John Selvridge at

- Harris Creek, Bradley Co., Tenn., in 1845; later married his daughter Elizabeth. U. S. Marshal of Bradley Co.; opened lock and gun repair shop at Chattanooga, 1881; made percussion rifles. Father of gunsmiths John, James, Frank, and Robert Wolfe.
- WOLFF, C. H.**—Pittsburgh, Pa. Member of firms: Whitmore & Wolff; Whitmore, Wolff & Co.; Whitmore, Wolff, Duff & Co.
- WOLFF & LANE**—Or Wolfe & Lane, Pittsburgh, Pa., percussion lock makers. Early period percussion lock mounted on a plain, curly maple, fullstock rifle by J. & D. Little.
- WOLFF & MASCHEK**—Memphis, Tenn., 1860.
- WOLFF & WHITMORE**—Pittsburgh, Pa., gun-lock makers. See Whitmore & Wolff, and Whitmore, Wolff & Co.
- WOLFHEIMER, Philip**—Lancaster, Pa., before 1783.
- WOLLFINGER, Frank**—Mohnton, Wyomissing Creek, Berks Co., Pa. Made rifle repairs.
- WOMELSDORF**—Unidentified. Silver inlaid, flintlock Kentucky rifle.
- WOOD, Amos P.**—North Hamden, N. Y. Percussion match and hunting rifles.
- WOOD, B. C.**—Painted Post, N. Y. Percussion rifles of many types, including over-under, combination rifle-shotguns, and multi-barrel rifles. Also made under-hammer pistols.
- WOOD, Daniel**—Rochester, N. Y., in 1861. Designed improved telescope sight with range-finder reticule.
- WOOD, J. B.**—Norwich, N. Y. 1866. Over-under percussion rifle-shotgun.
- WOOD, J. M.**—Unlocated. Marking on halfstock Southern made rifle.
- WOOD, John**—Roxbury, Mass., 1775. Arms maker to Committee of Safety.
- WOOD, John**—Boston, Mass., 1800.
- WOOD, Josiah**—Norrington Township, Pa. Musket maker to Committee of Safety, 1775-76.
- WOOD, Luke**—Sutton, Mass. Flintlock rifles. Model 1808 musket lock-plates are known marked "L.WOOD" and a five pointed star with a circle in the center, stamped over the name.
- WOOD, Win**—Peebles, O. Recent percussion rifles.
- WOOD, W. N.**—New York, N. Y. Percussion period.
- WOODBURY, N. & CO.**—Woodstock, Vt. Makers of underhammer percussion half stock rifle.
- WOODS, James**—Lancaster, Pa., about 1810-1820. Fine flintlock Kentucky rifles.
- WOODS, John**—New York. Colonial gunsmith, who with Thomas Allen was returned to England in December, 1775, by Governor William Tryon with the inducement of prepaid passage, 20 guineas in cash and employment at a government armory.
- WOODS, Robert**—Pennsylvania, about 1800. Beautiful flintlock Kentucky rifle.
- WOODS, T.**—Philadelphia, Pa., 1810.
- WORKMAN, J.**—Hamburg, Pa. Ornate flintlock Kentucky rifle with incised carving, 30 silver inlays.
- WORL, H.**—Pennsylvania, early flintlock period.
- WORL, H.**—Unlocated. Maker of over-under barrels for percussion rifles. Rifle lock, stock and furniture by D. Young.

- WORLEY, David**—East Finley Township, Washington Co., Pa. Percussion period.
- WORLEY**—Wyomissing Creek, Pa. Built two gun shops on the Wyomissing about 1811. (Same as J. Worly above?) Was succeeded by John Keim, his superintendent.
- WORLEY, Henry**—Son of Worley above. Shop superintendent for Benjamin Mohn, a Wyomissing Creek, Pa., gun-maker. Bought Mohn's shops on latter's retirement, prior to Civil War, and carried on the business until about 1880.
- WORLY, J.**—Unlocated. Also Worley. About 1800. Flintlock Kentucky rifles of fine workmanship.
- W.P.**—Unidentified. (William Pannebecker?)
- WREN, I. G.**—Unlocated. Walnut halfstock flintlock rifle with brass patchbox, silver eagles, acorns, etc.
- WRIGHT**—Southern maker of percussion Kentucky rifles.
- WRIGHT, A.**—Newburgh, N. Y. Heavy percussion target rifle.
- WRIGHT, Alexander**—Poughkeepsie, N. Y., 1835-46. Of the firm Palmateer & Wright.
- WRIGHT, A. C.**—Fitchburg, Mass., percussion period.
- WRIGHT ARMS CO.**—Lawrence, Mass., about 1876. Makers of .22 cal. "All Right" palm revolver.
- WRIGHT, J.**—Unlocated. About 1820.
- WRIGHT, Loomis S.**—Waddington, N. Y. Percussion period.
- WRISLEY, Loren H.**—Norway, Me., 1834, and later.
- WUERKE, F.**—Alton, Ill. 1869-75.
- WUERKER, Frederick**—Alton, Ill. Emigrated from Germany with brother Christian, settled at Alton in 1849. Gunsmiths and locksmiths, active in 1875. Percussion rifle, curly maple halfstock.
- WUNDHAMMER, Ludwig**—Los Angeles, Cal. Modern rifle maker.
- WURFFLEIN, Andrew**—Philadelphia, Pa., about 1835 and later. Maker of percussion derringers and double-barrelled shotguns.
- WURFFLEIN, John**—Unlocated. Percussion derringers and brass-mounted needle guns.
- WURFFLEIN, J. & PESSOTA**—Philadelphia, Pa.
- WURFFLEIN, William**—Philadelphia, Pa., 1874-1910. Son of Andrew Wurfflein. Maker of breech-loading sporting and target rifles and pistols.
- W. W.**—Unidentified. Light flintlock Kentucky rifle, slim-wrist maple fullstock with a high comb, brass patchbox.
- W. M. M.**—Unidentified. Percussion under-hammer pistols.
- WYLER, J. L.**—Unlocated. Revolving side-hammer percussion rifle.

Y

- YACHUM, D.**—Pennsylvania.
- YAGER, Charles**—East Main Street, Elizabeth Borough, Lancaster, Pa., 1869-70.
- YAHNER, Henry F.**—R.F.D. 1c, Loretto, Cambria Co., Pa. Born Oct. 15, 1860 at Boniface Farm near Loretto. Learned blacksmithing from his father; set up gunsmith shop in 1915. Made percussion rifles, shotguns, 3 over-under rifle-shotguns, stamped "H. F.

- YAHNER LORETTO.**" Bored and rifled barrels, made his own locks; stocked in black walnut with plain inlays of brass, German silver, silver, or dollars. Last gun made about 1945, but still makes repairs and sporting conversions.
- YATES, A.**—And "1776" engraved on octagon, very heavy barrel rifle.
- YENAN, T. M.**—Unlocated. Percussion sporting rifle.
- YERIAN, Frederick**—Gunsmith. Sharon Township, Noble Co., Ohio. Early period of Ohio.
- YERIAN, John**—Sharon, Ohio, 1879-82.
- YERIAN, L. M.**—Cumberland, Ohio, 1883-1902.
- YESLET, H.**—Or Yesley. Unidentified. About 1840.
- YOCOM, Nicholas**—Employed as musket barrel maker by Joseph Henry in 1810.
- YOCUM**—Unlocated. Handsome, heavy flintlock Kentucky rifle, silver and brass inlaid.
- YOKUM, Nicholas & Son**—Furnished iron for John Keim shops on Wyomissing Creek, Berks Co., Pa.; succeeded Keim in business; later sold out to Franklin K. Schnader. See Keim, John.
- YOMENS**—Charlotte, N. C. See Youmans.
- YOST, Casper**—Lancaster County, Pa., active before and after 1773-78. Gunsmith to Committee of Safety in 1777.
- YOST, John**—Georgetown, Md. Revolutionary War period.
- YOST, John**—Montgomery County, Md., before and after 1771-83. Musket and rifle contractor to Committee of Safety in 1775.
- YOUSMANS**—Lancaster, Pa. Revolutionary War period. Members of this family migrated to Charlotte, N. C.
- YOUNG, Charles A.**—Maker of 2-shot shotguns, 1901-02.
- YOUNG, D.**—Middleburg, Snyder Co., Pa. Early percussion period.
- YOUNG, Henry**—Easton, Pa., before and after 1770-80. Located at the intersection of Minnisink Highway, main mountain thoroughfare, and Old Sullivan Road.
- YOUNG, J.**—Michigan City, Mich. Halfstock percussion target rifle. Possibly same as James Young, Detroit.
- YOUNG, Jacob**—Unlocated, period of 1820. Flintlock Kentucky rifles.
- YOUNG, James**—Detroit, Mich., percussion period.
- YOUNG, John**—Easton, Northampton County, Pa. Before and after 1775-88. Brother of Henry Young. In association with Johnston Smith, Pennsylvania rifle and musket maker contracted in February, 1776, to furnish arms to the State of Virginia. With Adam Foulke in April, 1776, contracted to supply the Council of Safety (of Pennsylvania) with 130 rifles. John Young was an expert engraver and at times had worked for his brother Henry.
- YOUNG, John**—Maryland. Armorer to the Colony 1728-40.
- YOUNG, Joseph**—Harpers Run, W. Va.
- YOUNG, Michael**—Gunsmith. Government Stockade, Mansfield, Richland Co., Ohio. War of 1812.
- YOUNG, Nathaniel**—Gunsmith. Fairfield Co., Ohio, 1803.
- YOUNG, P.**—Pennsylvania. Revolutionary War period.
- YOUNG REPEATING ARMS CO.**—Columbus, Ohio. Hammerless shotguns.

- YOUNG & SMITH**—Unlocated. 6-shot percussion pepperbox.
YOUS, Joshua—Unidentified. Percussion Kentucky rifle.
YOUST, John—Frederick Co., Md. Contracted to make muskets for Council of Safety, in March, 1776.
YOUTZE—Gunsmith, Wilmot, Stark Co., Ohio.

Z

- ZARTMAN, Joshua**—77 North 5th St., Newark, Ohio, active 1852-1886.
ZETTLER BROS.—New York, N. Y. 1868-1918. 134 Bowery in 1868; 224 Bowery to 1886; then 159 W. 23rd St. Percussion and breech-loading target rifles.
ZIEGLER, H. D.—Portsmouth, Ohio, 1858-65. Listed as H. D. Ziegler & Co. in 1866.
ZIMMERMAN—Pennsylvania.
ZICHANG, A. O.—Syracuse, N. Y. Famed for his accurate rifles. Born in Saxony, Germany in 1846, of a long line of professional gunsmiths. Came to U. S. in 1876 and shortly after found employment with Sharps Rifle Co., at Bridgeport, Conn., which probably influenced his frequent choice of Sharps-Borchard actions for his best and most accurate rifles. From Bridgeport he went to Syracuse where he became associated with Nichols and Lefever, and in 1879 opened his own shop, doing general gunsmithing and specializing in fine target rifles. In 1919 he turned the management of the shop over to his son, William O. Zichang, but continued to use the shop and do some work until his death in 1925.
ZICHANG, William O.—Syracuse gunsmith, son and successor of A. O. Zichang.
ZOLLINGER, A.—Lagrange Co., Ind.
ZOOK, D.—Unidentified. Maker of over-under, swivel breech, percussion rifle.
ZORGER, C.—Unidentified. Flintlock Kentucky rifles, about 1800.
ZORGER, Frederick—York, Pa. Revolutionary War period. Was on guard duty March 17, 1778. Name on flintlock pistol. Listed as "Tenant Gun Smith."
ZORGER, G.—York, Pa. Revolutionary War period. Name on flintlock rifle.
ZUCCARELLE, N. B.—Pulaski, Tenn. Arms maker.
ZUENDORFF, John—106 East Houston St., New York, N. Y., 1850-60.
ZUZER, J. G.—Arnheim, Pa., 1850.

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